

IT Assembly Programming Language

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4. Chapter: Basics

1. Basics Questions

4.1.1. The Debug program is a small MS-DOS utility and is usually useful in:

Author: JavaChamp Team

The Debug program is a small MS-DOS utility and is usually useful in:

Please choose only one answer:

- Writing sophisticated applications and systems
- Memory and disk management
- Testing and fixing programs

Check the answer of this question online at QuizOver.com:

Question: [What is a debug program?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-a-debug-program?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-a-debug-program?pdf=1505>

4.1.2. The ROM BIOS contents:

Author: JavaChamp Team

The ROM BIOS contents:

Please choose only one answer:

- Can be written by the DEBUG program
- Written by the ROM manufacturer and can not be changed
- Volatile and must be refreshed on computer power on

Check the answer of this question online at QuizOver.com:

Question: [Who writes ROM BIOS contents ?](#)

Flashcards:

<http://www.quizover.com/flashcards/who-writes-rom-bios-contents?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/who-writes-rom-bios-contents?pdf=1505>

4.1.3. The ROM BIOS contains:

Author: JavaChamp Team

The ROM BIOS contains:

Please choose only one answer:

- MS-Dos operating system
- MS-Windows operating system
- Basic input ; output system routines

Check the answer of this question online at QuizOver.com:

Question: [What does ROM BIOS contain?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-does-rom-bios-contain?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-does-rom-bios-contain?pdf=1505>

4.1.4. When you power on the computer it starts executing instructions in:

Author: Yasser Ibrahim

When you power on the computer it starts executing instructions in:

Please choose only one answer:

- ROM
- RAM
- Hard Disk

Check the answer of this question online at QuizOver.com:

Question: [What is first executed when starting the computer?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-first-executed-when-starting-the-computer?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-first-executed-when-starting-the-computer?pdf=1505>

4.1.5. Memory segments can start every:

Author: JavaChamp Team

Memory segments can start every:

Please choose only one answer:

- 1 paragraph (16 bytes)
- 1 word (2 bytes)
- 1 byte

Check the answer of this question online at QuizOver.com:

Question: [Memory segments can start every?](#)

Flashcards:

<http://www.quizover.com/flashcards/memory-segments-can-start-every?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/memory-segments-can-start-every?pdf=1505>

4.1.6. The maximum memory space addressable by 8086 processor was:

Author: JavaChamp Team

The maximum memory space addressable by 8086 processor was:

Please choose only one answer:

- 64 KB
- 640KB
- 1MB

Check the answer of this question online at QuizOver.com:

Question: [what was max memory space by 8086 processor?](http://www.quizover.com/question/what-was-max-memory-space-by-8086-processor?pdf=1505)

Flashcards:

<http://www.quizover.com/flashcards/what-was-max-memory-space-by-8086-processor?pdf=1505>

Interactive Question:

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4.1.7. The limitation on The maximum memory space addressable by 8086 proc...

Author: JavaChamp Team

The limitation on The maximum memory space addressable by 8086 processor because:

Please choose only one answer:

- The address bus width was 20 bits
- The register size was 16 bits
- It has only 14 registers

Check the answer of this question online at QuizOver.com:

Question: [what was max memory space in 8086 processor?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-was-max-memory-space-in-8086-processor?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-was-max-memory-space-in-8086-processor?pdf=1505>

4.1.8. The maximum memory space addressable by a processor is proportional...

Author: JavaChamp Team

The maximum memory space addressable by a processor is proportional to:

Please choose only one answer:

- Register size
- Address bus width
- Number of registers

Check the answer of this question online at QuizOver.com:

Question: [What is maximum memory proportional to?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-maximum-memory-proportional-to?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-maximum-memory-proportional-to?pdf=1505>

4.1.9. The mapping between the physical address and logical address (Segme...

Author: JavaChamp Team

The mapping between the physical address and logical address (Segment:Offset) is:

Please choose only one answer:

- One to one relation
- One to many relation
- No relation

Check the answer of this question online at QuizOver.com:

Question: [What is the mapping between physical address and logical address?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-the-mapping-between-physical-address-and-logical-address?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-the-mapping-between-physical-address-and-logical-address?pdf=1505>

4.1.10. The processor set the sign flag on when it detects

Author: JavaChamp Team

The processor set the sign flag on when it detects

Please choose only one answer:

- The MSB of the result is 1
- Negative number in AX register
- Both (a) and (b) are correct

Check the answer of this question online at QuizOver.com:

Question: [What does the sign flag do?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-does-the-sign-flag-do?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-does-the-sign-flag-do?pdf=1505>

4.1.11. The physical address 12345 can be represented by the logical address:

Author: JavaChamp Team

The physical address 12345 can be represented by the logical address:

Please choose only one answer:

- 1234:5
- 1230:45
- Both (a) and (b) are correct

Check the answer of this question online at QuizOver.com:

Question: [How can a physical address be represented?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-can-a-physical-address-be-represented?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-can-a-physical-address-be-represented?pdf=1505>

4.1.12. If you add positive number plus negative number the over flow flag ...

Author: JavaChamp Team

If you add positive number plus negative number the over flow flag will be set if:

Please choose only one answer:

- The result is negative
- The result is positive
- There is no over flow when adding (+ve) + (-ve) numbers

Check the answer of this question online at QuizOver.com:

Question: [Hoe overflow by addition is handled?](#)

Flashcards:

<http://www.quizover.com/flashcards/hoe-overflow-by-addition-is-handled?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/hoe-overflow-by-addition-is-handled?pdf=1505>

4.1.13. The processor compute the address of the next instruction using

Author: JavaChamp Team

The processor compute the address of the next instruction using

Please choose only one answer:

- CS:IP
- DS:IP
- CS:SP

Check the answer of this question online at QuizOver.com:

Question: [How the processor compute the address of the next instruction?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-the-processor-compute-the-address-of-the-next-instruction?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-the-processor-compute-the-address-of-the-next-instruction?pdf=1505>

4.1.14. power on the computer is called:

Author: JavaChamp Team

power on the computer is called:

Please choose only one answer:

- Warm boot
- Cold boot
- both (a) and (b) are false

Check the answer of this question online at QuizOver.com:
Question: [What is cold boot?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-cold-boot?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-cold-boot?pdf=1505>

4.1.15. The function service number (4Ch) in interrupt (INT 21h):

Author: JavaChamp Team

The function service number (4Ch) in interrupt (INT 21h):

Please choose only one answer:

- TSR terminate and stay resident
- Abnormal program Termination
- Normal program Termination

Check the answer of this question online at QuizOver.com:

Question: [function service number \(4Ch\)](#)

Flashcards:

<http://www.quizover.com/flashcards/function-service-number-4ch?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/function-service-number-4ch?pdf=1505>

4.1.16. The assembly directive is a command to:

Author: JavaChamp Team

The assembly directive is a command to:

Please choose only one answer:

- The Assembler program
- The Microprocessor
- both (a) and (b) are correct

Check the answer of this question online at QuizOver.com:

Question: [The assembly directive](#)

Flashcards:

<http://www.quizover.com/flashcards/the-assembly-directive?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/the-assembly-directive?pdf=1505>

4.1.17. The value in AL register when using interrupt (INT 21h), service nu...

Author: JavaChamp Team

The value in AL register when using interrupt (INT 21h), service number (4Ch) is:

Please choose only one answer:

- Completely ignored
- Depend on the value of AH register
- Return value to the calling program (usually DOS operating system)

Check the answer of this question online at QuizOver.com:

Question: [What is the value of AL register when using interrupt \(INT 21h\), service number \(4Ch\)?](http://www.quizover.com/question/what-is-the-value-of-al-register-when-using-interrupt-int-21h-service-number-4ch?pdf=1505)

Flashcards:

<http://www.quizover.com/flashcards/what-is-the-value-of-al-register-when-using-interrupt-int-21h-service-number-4ch?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-the-value-of-al-register-when-using-interrupt-int-21h-service-number-4ch?pdf=1505>

4.1.18. Compare between PSP and "header block"

Author: JavaChamp Team

Compare between PSP and "header block"

Please choose only one answer:

- DOS generates PSP automatically preceding a COM program in the memory
- DOS stores the "header block" on the disk with the EXE program file
- both (a) and (b) are correct

Check the answer of this question online at QuizOver.com:

Question: [What is the difference between PSP and header block?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-the-difference-between-bsp-and-header-block?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-the-difference-between-bsp-and-header-block?pdf=1505>

4.1.19. You know that the data segment base address = 1234, so :how to init...

Author: JavaChamp Team

You know that the data segment base address = 1234, so :how to initialize DS register?

Please choose only one answer:

- Mov DS,1234
- Mov AX,1234, Mov DS,AX
- both (a) and (b) are correct

Check the answer of this question online at QuizOver.com:

Question: [how to initialize DS register?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-to-initialize-ds-register?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-to-initialize-ds-register?pdf=1505>

4.1.20. You want to initialize the IP register with the value 2000:

Author: JavaChamp Team

You want to initialize the IP register with the value 2000:

Please choose only one answer:

- Mov IP,2000
- Jmp 2000
- You can't change IP register

Check the answer of this question online at QuizOver.com:

Question: [how to initialize the IP register?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-to-initialize-the-ip-register?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-to-initialize-the-ip-register?pdf=1505>

4.1.21. You want to move two bytes from address 100 to 200, so what is the ...

Author: JavaChamp Team

You want to move two bytes from address 100 to 200, so what is the proper instruction:

Please choose only one answer:

- Mov AX,[100], Mov [200],AX
- Mov AH,[100], Mov [200],AH
- Mov [200],[100]

Check the answer of this question online at QuizOver.com:

Question: [How to move bytes from address to another?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-to-move-bytes-from-address-to-another?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-to-move-bytes-from-address-to-another?pdf=1505>

4.1.22. What is the memory addressing mode of the first operand in the inst...

Author: JavaChamp Team

What is the memory addressing mode of the first operand in the instruction MOV BX,1234:

Please choose only one answer:

- Register addressing mode
- Immediate addressing mode
- Indirect addressing mode

Check the answer of this question online at QuizOver.com:

Question: [What is Register addressing mode?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-register-addressing-mode?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-register-addressing-mode?pdf=1505>

4.1.23. What is the memory addressing mode of the first operand in the inst...

Author: JavaChamp Team

What is the memory addressing mode of the first operand in the instruction MOV [BX],1234:

Please choose only one answer:

- Indirect addressing mode
- Immediate addressing mode
- Register addressing mode

Check the answer of this question online at QuizOver.com:

Question: [what is Indirect addressing mode?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-indirect-addressing-mode?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-indirect-addressing-mode?pdf=1505>

4.1.24. What is the value of AX register after executing, MOV AX,456h, CMP...

Author: JavaChamp Team

What is the value of AX register after executing, MOV AX,456h, CMP AX,456h

Please choose only one answer:

- 456h
- Zero
- Unknown

Check the answer of this question online at QuizOver.com:

Question: [AX register](#)

Flashcards:

<http://www.quizover.com/flashcards/ax-register?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/ax-register?pdf=1505>

4.1.25. You want to set only odd numbered bits in AX register, so what is t...

Author: JavaChamp Team

You want to set only odd numbered bits in AX register, so what is the proper instruction:

Please choose only one answer:

- Mov AX,5555h
- OR AX,5555h
- AND AX,5555h

Check the answer of this question online at QuizOver.com:

Question: [How to set only odd numbered bits in AX register?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-to-set-only-odd-numbered-bits-in-ax-register?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-to-set-only-odd-numbered-bits-in-ax-register?pdf=1505>

4.1.26. You want to complement only odd numbered bits in AX register, so wh...

Author: JavaChamp Team

You want to complement only odd numbered bits in AX register, so what is the proper instruction:

Please choose only one answer:

- Test AX,5555h
- AND AX,5555h
- XOR AX,5555h

Check the answer of this question online at QuizOver.com:

Question: [how to complement only odd numbered bits in AX register?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-to-complement-only-odd-numbered-bits-in-ax-register?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-to-complement-only-odd-numbered-bits-in-ax-register?pdf=1505>

4.1.27. What is the value of AX register after the following instruction, a...

Author: JavaChamp Team

What is the value of AX register after the following instruction, assume Mark stored at offset 1000

Mark DW 123

Mov AX,Mark

Please choose only one answer:

- 1000
- 123
- Unknown

Check the answer of this question online at QuizOver.com:

Question: [AX register in assembly](#)

Flashcards:

<http://www.quizover.com/flashcards/ax-register-in-assembly?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/ax-register-in-assembly?pdf=1505>

4.1.28. What is the value of AX register after the following instructions, ...

Author: JavaChamp Team

What is the value of AX register after the following instructions, assume Mark at offset 1000

Mark DW 123

LEA AX,Mark

Please choose only one answer:

- 1000
- 123
- Unknown

Check the answer of this question online at QuizOver.com:

Question: [AX register assembly](#)

Flashcards:

<http://www.quizover.com/flashcards/ax-register-assembly?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/ax-register-assembly?pdf=1505>

4.1.29. What is the value of over flow (O) flag after the instruction: SUB ...

Author: JavaChamp Team

What is the value of over flow (O) flag after the instruction: SUB AX,AX

Please choose only one answer:

- Set
- Cleared
- Unknown

Check the answer of this question online at QuizOver.com:

Question: [What is the value of over flow flag after SUB AX AX](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-the-value-of-over-flow-flag-after-sub-ax-ax?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-the-value-of-over-flow-flag-after-sub-ax-ax?pdf=1505>

4.1.30. What is the value of Zero (Z) flag after the instruction: SUB AX,AX

Author: JavaChamp Team

What is the value of Zero (Z) flag after the instruction: SUB AX,AX

Please choose only one answer:

- Set
- Cleared
- Unknown

Check the answer of this question online at QuizOver.com:

Question: [What is the value of Zero flag after SUB AX AX](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-the-value-of-zero-flag-after-sub-ax-ax?pdf=1505>

Interactive Question:

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4.1.31. The operating system (DOS / Windows) generally loaded (system boot)...

Author: JavaChamp Team

The operating system (DOS / Windows) generally loaded (system boot) from:

Please choose only one answer:

- ROM
- RAM
- Hard/ Floppy Disk

Check the answer of this question online at QuizOver.com:

Question: [From where operating system is loaded?](#)

Flashcards:

<http://www.quizover.com/flashcards/from-where-operating-system-is-loaded?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/from-where-operating-system-is-loaded?pdf=1505>

4.1.32. The auxiliary flag will be set if:

Author: JavaChamp Team

The auxiliary flag will be set if:

Please choose only one answer:

- Both bits number 4,5 are set to 1
- There is a carry / borrow between bits number 4,5
- Both correct

Check the answer of this question online at QuizOver.com:

Question: [When will auxiliary flag be set?](#)

Flashcards:

<http://www.quizover.com/flashcards/when-will-auxiliary-flag-be-set?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/when-will-auxiliary-flag-be-set?pdf=1505>

4.1.33. The operating system functions:

Author: JavaChamp Team

The operating system functions:

Please choose only one answer:

- System boot
- Running applications
- Both correct

Check the answer of this question online at QuizOver.com:

Question: [What are the operating system functions?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-are-the-operating-system-functions?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-are-the-operating-system-functions?pdf=1505>

4.1.34. The .COM programs in RAM uses:

Author: JavaChamp Team

The .COM programs in RAM uses:

Please choose only one answer:

- 1 segment
- 4 different segments (code, data, stack, and extra)
- More than 4

Check the answer of this question online at QuizOver.com:

Question: [How many segments .COM programs in RAM use?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-many-segments-com-programs-in-ram-use?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-many-segments-com-programs-in-ram-use?pdf=1505>

4.1.35. Who generates PSP for .COM programs:

Author: JavaChamp Team

Who generates PSP for .COM programs:

Please choose only one answer:

- DOS generates PSP automatically preceding a COM program in the memory
- The program itself
- DOS load it from the disk

Check the answer of this question online at QuizOver.com:

Question: [Who generates PSP for .COM programs?](#)

Flashcards:

<http://www.quizover.com/flashcards/who-generates-bsp-for-com-programs?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/who-generates-bsp-for-com-programs?pdf=1505>

4.1.36. The limitation on The maximum memory space addressable by 8086 proc...

Author: JavaChamp Team

The limitation on The maximum memory space addressable by 8086 processor because:

Please choose only one answer:

- It has only 14 registers
- The register size was 16 bits
- The address bus width was 20 bits

Check the answer of this question online at QuizOver.com:

Question: [Why the limitation on The maximum memory space by 8086 processor?](#)

Flashcards:

<http://www.quizover.com/flashcards/why-the-limitation-on-the-maximum-memory-space-by-8086-processor?pdf=1505>

Interactive Question:

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4.1.37. The multiple Segment:Offset representations for a unique physical a...

Author: JavaChamp Team

The multiple Segment:Offset representations for a unique physical address is:

Please choose only one answer:

- Advantage for 8086 processor to provide flexibility
- disadvantage for 8086 processor, it make it harder to program
- Has no effect

Check the answer of this question online at QuizOver.com:

Question: [What is the multiple Segment Offset representations for a unique physical address?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-the-multiple-segment-offset-representations-for-a-unique-physical-address?pdf=1505>

Interactive Question:

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4.1.38. The assembly directive is a command to:

Author: JavaChamp Team

The assembly directive is a command to:

Please choose only one answer:

- The Assembler program
- The Microprocessor
- both (a) and (b) are correct

Check the answer of this question online at QuizOver.com:

Question: [What is assembly directive?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-assembly-directive?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-assembly-directive?pdf=1505>

4.1.39. To display the contents of 100 bytes starting at physical address 0...

Author: JavaChamp Team

To display the contents of 100 bytes starting at physical address 00000 using the debug:

Please choose only one answer:

- -d 0 FF
- -d 0:0 FF
- -d 0:0 0:FF

Check the answer of this question online at QuizOver.com:

Question: [How to display the contents of 100 bytes?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-to-display-the-contents-of-100-bytes?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-to-display-the-contents-of-100-bytes?pdf=1505>

4.1.40. Consider the program segment:

Age DB 100

MOV Age,123

What is t...

Author: JavaChamp Team

Consider the program segment:

Age DB 100

MOV Age,123

What is the memory-addressing mode of the first operand in the MOV instruction?

Please choose only one answer:

- Immediate addressing mode
- direct addressing mode
- Indirect addressing mode

Check the answer of this question online at QuizOver.com:

Question: [What is the memory addressing mode?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-is-the-memory-addressing-mode?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/what-is-the-memory-addressing-mode?pdf=1505>

4.1.41. the debug command: -E F000:0 1 2 3

Author: JavaChamp Team

the debug command: -E F000:0 1 2 3

Please choose only one answer:

- Has no effect, because that location in ROM
- Will write three bytes (1,2,3) starting at location F000:0
- Depends on the processor

Check the answer of this question online at QuizOver.com:

Question: [debug command -E](#)

Flashcards:

<http://www.quizover.com/flashcards/debug-command-e?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/debug-command-e?pdf=1505>

4.1.42. The debug command U

Author: JavaChamp Team

The debug command U

Please choose only one answer:

- Retrieve the assembly program instructions from the disk
- Retrieve the assembly program instructions from the RAM
- Convert the machine code stored in memory into assembly equivalent

Check the answer of this question online at QuizOver.com:
Question: [debug command U](#)

Flashcards:
<http://www.quizover.com/flashcards/debug-command-u?pdf=1505>

Interactive Question:
<http://www.quizover.com/question/debug-command-u?pdf=1505>

4.1.43. The max size of .COM program:

Author: JavaChamp Team

The max size of .COM program:

Please choose only one answer:

- Any size
- 1 paragraph (16 bytes)
- 1 segment (64k bytes)

Check the answer of this question online at QuizOver.com:

Question: [max size of .COM program](#)

Flashcards:

<http://www.quizover.com/flashcards/max-size-of-com-program?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/max-size-of-com-program?pdf=1505>

4.1.44. The statement AGE DB 25

Author: JavaChamp Team

The statement AGE DB 25

Please choose only one answer:

- Instructs the processor to store the value 25 into AX register
- Instructs the assembler to store the value 25 into RAM, and use AGE as a reference
- Both correct

Check the answer of this question online at QuizOver.com:

Question: [Command DB](#)

Flashcards:

<http://www.quizover.com/flashcards/command-db?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/command-db?pdf=1505>

4.1.45. To increment both AL, AH registers:

Author: JavaChamp Team

To increment both AL, AH registers:

Please choose only one answer:

- INC AX
- INC AL INC AH
- both (a) and (b) are correct

Check the answer of this question online at QuizOver.com:

Question: [How to increment a register?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-to-increment-a-register?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-to-increment-a-register?pdf=1505>

4.1.46. To write assembly program that generates .COM program, how many seg...

Author: JavaChamp Team

To write assembly program that generates .COM program, how many segment you can use:

Please choose only one answer:

- Only Code
- Code ; Data
- Code ; Data ; Stack

Check the answer of this question online at QuizOver.com:

Question: [how many segment you can use for .com program?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-many-segment-you-can-use-for-com-program?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-many-segment-you-can-use-for-com-program?pdf=1505>

4.1.47. What about the Stack segment in .COM program during execution:

Author: JavaChamp Team

What about the Stack segment in .COM program during execution:

Please choose only one answer:

- Must be defined explicitly in the program
- DOS uses the high area of the COM program for the Stack
- There is no stack for .COM program during execution

Check the answer of this question online at QuizOver.com:

Question: [Stack segment in .COM program](#)

Flashcards:

<http://www.quizover.com/flashcards/stack-segment-in-com-program?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/stack-segment-in-com-program?pdf=1505>

4.1.48. The instruction AND AH,11110111 is equivalent to:

Author: JavaChamp Team

The instruction AND AH,11110111 is equivalent to:

Please choose only one answer:

- Sub AH, 8, if 4th bit of AH is set
- Sub AH, 8, if 4th bit of AH is cleared
- Sub AH, 4, if 4th bit of AH is set

Check the answer of this question online at QuizOver.com:

Question: [instruction AND AH](#)

Flashcards:

<http://www.quizover.com/flashcards/instruction-and-ah?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/instruction-and-ah?pdf=1505>

4.1.49. What is the value of AX register after executing, MOV AX,456h, CMP...

Author: JavaChamp Team

What is the value of AX register after executing, MOV AX,456h, CMP AX,456h

Please choose only one answer:

- 456h
- Zero
- Unknown

Check the answer of this question online at QuizOver.com:

Question: [MOV and CMP AX register](#)

Flashcards:

<http://www.quizover.com/flashcards/mov-and-cmp-ax-register?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/mov-and-cmp-ax-register?pdf=1505>

4.1.50. Memory segments can start every:

Author: Yasser Ibrahim

Memory segments can start every:

Please choose only one answer:

- 1 paragraph (16 bytes)
- 1 word (2 bytes)
- 1 byte

Check the answer of this question online at QuizOver.com:
Question: [Memory segments](#)

Flashcards:
<http://www.quizover.com/flashcards/memory-segments?pdf=1505>

Interactive Question:
<http://www.quizover.com/question/memory-segments?pdf=1505>

4.1.51. How many bytes in one word

Author: Yasser Ibrahim

How many bytes in one word

Please choose only one answer:

- 1 byte
- 2 byte
- 4 byte

Check the answer of this question online at QuizOver.com:

Question: [How many bytes in one word?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-many-bytes-in-one-word?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-many-bytes-in-one-word?pdf=1505>

4.1.52. How many bits in one byte?

Author: Yasser Ibrahim

How many bits in one byte?

Please choose only one answer:

- 8 bits
- 16 bits
- 32 bits

Check the answer of this question online at QuizOver.com:

Question: [How many bits in one byte?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-many-bits-in-one-byte?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/how-many-bits-in-one-byte?pdf=1505>

4.1.53. The result of logical operation: 1 AND 1

Author: Yasser Ibrahim

The result of logical operation: 1 AND 1

Please choose only one answer:

- logic 1
- logic 0

Check the answer of this question online at QuizOver.com:

Question: [logical operator AND](#)

Flashcards:

<http://www.quizover.com/flashcards/logical-operator-and?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/logical-operator-and?pdf=1505>

4.1.54. The AX register full name is:

Author: JavaChamp Team

The AX register full name is:

Please choose only one answer:

- Accumulator register
- Counter register
- Base register

Check the answer of this question online at QuizOver.com:

Question: [cpu Accumulator register](#)

Flashcards:

<http://www.quizover.com/flashcards/cpu-accumulator-register?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/cpu-accumulator-register?pdf=1505>

4.1.55. The result of logical operation: 1 OR 0

Author: JavaChamp Team

The result of logical operation: 1 OR 0

Please choose only one answer:

- 0
- 1

Check the answer of this question online at QuizOver.com:

Question: [logical operator OR](#)

Flashcards:

<http://www.quizover.com/flashcards/logical-operator-or?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/logical-operator-or?pdf=1505>

4.1.56. The result of logical operation: 1 XOR 1

Author: Yasser Ibrahim

The result of logical operation: 1 XOR 1

Please choose only one answer:

- logic 0
- logic 1

Check the answer of this question online at QuizOver.com:

Question: [logical operator XOR](#)

Flashcards:

<http://www.quizover.com/flashcards/logical-operator-xor?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/logical-operator-xor?pdf=1505>

4.1.57. What is the length of the 8088's physical address?

Author: JavaChamp Team

What is the length of the 8088's physical address?

Please choose only one answer:

- 8 bits
- 16 bits
- 20 bits

Check the answer of this question online at QuizOver.com:

Question: [length of the 8088 processor physical address](#)

Flashcards:

<http://www.quizover.com/flashcards/length-of-the-8088-processor-physical-address?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/length-of-the-8088-processor-physical-address?pdf=1505>

4.1.58. The result of logical operation: 0 OR 0

Author: JavaChamp Team

The result of logical operation: 0 OR 0

Please choose only one answer:

- logic 0
- logic 1

Check the answer of this question online at QuizOver.com:

Question: [logical operator OR in assembly](#)

Flashcards:

<http://www.quizover.com/flashcards/logical-operator-or-in-assembly?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/logical-operator-or-in-assembly?pdf=1505>

4.1.59. The result of logical operation: 1 XOR 0

Author: Yasser Ibrahim

The result of logical operation: 1 XOR 0

Please choose only one answer:

- logic 0
- logic 1

Check the answer of this question online at QuizOver.com:

Question: [logical operator XOR in assembly](#)

Flashcards:

<http://www.quizover.com/flashcards/logical-operator-xor-in-assembly?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/logical-operator-xor-in-assembly?pdf=1505>

4.1.60. How many bytes in a double word

Author: JavaChamp Team

How many bytes in a double word

Please choose only one answer:

- 1 byte
- 2 byte
- 4 byte

Check the answer of this question online at QuizOver.com:

Question: [double word](#)

Flashcards:

<http://www.quizover.com/flashcards/double-word?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/double-word?pdf=1505>

4.1.61. how many bits in one double word?

Author: JavaChamp Team

how many bits in one double word?

Please choose only one answer:

- 8 bits
- 16 bits
- 32 bits

Check the answer of this question online at QuizOver.com:
Question: [bits in double word](#)

Flashcards:
<http://www.quizover.com/flashcards/bits-in-double-word?pdf=1505>

Interactive Question:
<http://www.quizover.com/question/bits-in-double-word?pdf=1505>

4.1.62. The CX register full name is:

Author: JavaChamp Team

The CX register full name is:

Please choose only one answer:

- Accumulator register
- Base register
- Counter register

Check the answer of this question online at QuizOver.com:

Question: [Counter register](#)

Flashcards:

<http://www.quizover.com/flashcards/counter-register?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/counter-register?pdf=1505>

4.1.63. Which of the following instruction(s) can be performed only in CX r...

Author: JavaChamp Team

Which of the following instruction(s) can be performed only in CX register:

Please choose only one answer:

- LOOP
- MUL, DIV, CBW
- ADD, SUB

Check the answer of this question online at QuizOver.com:

Question: [instructions performed in Counter register](#)

Flashcards:

<http://www.quizover.com/flashcards/instructions-performed-in-counter-register?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/instructions-performed-in-counter-register?pdf=1505>

4.1.64. Classify the following register(s) SI,DI

Author: JavaChamp Team

Classify the following register(s) SI,DI

Please choose only one answer:

- Index registers
- General purpose registers
- Segment registers

Check the answer of this question online at QuizOver.com:

Question: [Index registers](#)

Flashcards:

<http://www.quizover.com/flashcards/index-registers?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/index-registers?pdf=1505>