

# Programming Languages C Arithmetic operators

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## 1. Arithmetic operators

## 4. Chapter: Arithmetic operators

### 1. Arithmetic operators Questions

#### 4.1.1. what is the output of the following piece of code:

Author: JavaChamp Team

what is the output of the following piece of code:

```
int c = 19 % 4;
```

Please choose only one answer:

- 1
- 2
- 3

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

Question: [How to use Remainder operator in C?](#)

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#### 4.1.2. To compute the square of the value in variable a:

Author: Yasser Ibrahim

To compute the square of the value in variable a:

Please choose only one answer:

- $b = a^2$ ;
- $z = a * a$ ;
- both correct

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

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### 4.1.3. What is the output of the following piece of code:

Author: JavaChamp Team

What is the output of the following piece of code:

```
int x = 3, y = 5, z;  
z = ++x + ++y;  
printf("%d",z);
```

Please choose only one answer:

- 8
- 9
- 10

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Question: [How to increment in C?](#)

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#### 4.1.4. What is the output of the following piece of code?

Author: JavaChamp Team

What is the output of the following piece of code?

```
int x = 3, y = 5, z;  
z = x + ++y;  
printf("%d",z);
```

Please choose only one answer:

- 8
- 9
- 10

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

Question: [How to increment int in C?](#)

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#### 4.1.5. What is the output of the following piece of code?

Author: JavaChamp Team

What is the output of the following piece of code?

```
int x = 3, y = 5, z ;  
z = x++ + ++y;  
printf("%d",z);
```

Please choose only one answer:

- 8
- 9
- 10

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

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4.1.6. `printf("%f", sqrt(sqrt(x)));`

Author: JavaChamp Team

`printf("%f", sqrt(sqrt(x)));`

Please choose only one answer:

- is correct
- has syntax error
- causes run-time error

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Question: [How sqrt method works in C?](#)

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4.1.7. The value of z in the following statement:

```
int x = 9 , y = 2 , z...
```

Author: Yasser Ibrahim

The value of z in the following statement:

```
int x = 9 , y = 2 , z = x / y;
```

Please choose only one answer:

- 4
- 4.5
- 5

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#### 4.1.8. A short-cut for the statement: $x = x + 1$ ;

Author: Yasser Ibrahim

A short-cut for the statement:  $x = x + 1$ ;

Please choose only one answer:

- $x += 1$ ;
- $x++$ ;
- Both correct

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

Question: [post increment in C](#)

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#### 4.1.9. choose the proper function to compute the cubic value of any input ...

Author: JavaChamp Team

choose the proper function to compute the cubic value of any input integer n:

Please choose only one answer:

- `int cube(void) { return (n * n * n) ; }`
- `int cube(int n) { return (n * n * n) ; }`
- `void cube(int n) { return (n * n * n) ; }`

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

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#### 4.1.10. To compute the cube of the value in variable x:

Author: JavaChamp Team

To compute the cube of the value in variable x:

Please choose only one answer:

- `c = x * x * x;`
- `c = x^3;`
- Both correct

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#### 4.1.11. what is the output of the following piece of code

Author: JavaChamp Team

what is the output of the following piece of code

```
int a = 1, b = 2, c;  
c = a-- + b--;  
printf("%d",c);
```

Please choose only one answer:

- 3
- 4
- 5

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

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4.1.12. what is the output of the following piece of code

```
int z = 23 % 3;
```

Author: JavaChamp Team

what is the output of the following piece of code

```
int z = 23 % 3;
```

Please choose only one answer:

- 7
- 2
- 30

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