We can perform Arithmetic Operations in C++ on numbers using C++ Arithmetic Operators.

In this tutorial, we will learn about the list of Arithmetic Operators available in C++ programming language. We will also learn how to perform Arithmetic Operations, with the help of examples.

### C++ Arithmetic Operators

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<td>Returns sum of a and b.</td>
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<td>a - b</td>
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<td>a / b</td>
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<td>a– or –a</td>
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### C++ Addition

The `+` operator computes the addition of the two operands and returns the result.

### C++ Program

```cpp
#include <iostream>
using namespace std;

int main() {
    int a = 12;
    int b = 7;
    int sum = a + b;
    cout << sum << endl;
}
```
**C++ Subtraction**

The `-` operator computes the difference of the right operand from the left operand and returns the result.

**C++ Program**

```cpp
#include <iostream>
using namespace std;

int main() {
    int a = 12;
    int b = 7;
    int diff = a - b;
    cout << diff << endl;
}
```

**Output**

Terminal Output

```
5
```

Learn more about [C++ Subtraction](#).

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**C++ Multiplication**

The `*` operator computes the product of two operands and returns the result.

**C++ Program**

```cpp
#include <iostream>
using namespace std;

int main() {
    int a = 12;
    int b = 7;
    int diff = a - b;
    cout << diff << endl;
}
```
```cpp
#include <iostream>
using namespace std;

int main() {
    int a = 12;
    int b = 7;
    int product = a * b;
    cout << product << endl;
}
```

**Output**

Terminal Output

```
84
```

Learn more about [C++ Multiplication](#).

**C++ Division**

`/` operator computes the division of first operand with second operand and returns the quotient.

**C++ Program**

```cpp
#include <iostream>
using namespace std;

int main() {
    int a = 16;
    int b = 7;
    int div = a / b;
    cout << div << endl;
}
```
```cpp
#include <iostream>
using namespace std;

int main() {
    int a = 16;
    int b = 7;
    int div = a / b;
    cout << div << endl;
}
```

Output

Terminal Output

2
2

Learn more about [C++ Division](https://en.wikipedia.org/wiki/Division_(C%2B%2B)).

### C++ Modular Division

The `%` operator computes the division of the given operands and returns the reminder.

#### C++ Program

```cpp
#include <iostream>
using namespace std;

int main() {
    int a = 13;
    int b = 5;
    int modulo = a % b;
    cout << modulo;
}
```

Output
Learn more about [C++ Modular Division](#).

## C++ Increment

The `++` operator increments the value of the operand by one.

### C++ Program

```cpp
#include <iostream>
using namespace std;

int main() {
    int a = 12;
    ++a;
    cout << a << endl;
}
```

### Output

Terminal Output

```
13
```

Learn more about [C++ Increment](#).

## C++ Decrement

The `--` operator decrements the value of the operand by one.

### C++ Program

```cpp
#include <iostream>
using namespace std;

int main() {
    int a = 12;
    --a;
    cout << a << endl;
}
```
```cpp
#include <iostream>
using namespace std;

int main() {
    int a = 12;
    --a;
    cout << a << endl;
}
```

**Output**

**Terminal Output**

```
11
11
```

Learn more about [C++ Decrement](#).

**Conclusion**

In this [C++ Tutorial](#), we learned what are Arithmetic Operators and what they can do, with the help of example C++ programs.