**C++ Operators**

Special symbols that are used to perform actions or operations are known as operators. They could be both unary or binary.

For example, the symbol + is used to perform addition in C++ when put in between two numbers, so it is a binary operator. There are different types of operators. They are as follows:

**Arithmetic Operators**

Arithmetic operators are used to perform mathematical operations such as addition, subtraction, etc. They could be both binary and unary. A few of the simple arithmetic operators are

|  |  |
| --- | --- |
| Operation | Description |
| a + b | Adds a and b |
| a - b | Subtracts b from a |
| a \* b | Multiplies a and b |
| a / b | Divides a by b |
| a % b | Modulus of a and b |
| a++ | Post increments a by 1 |
| a-- | Post decrements a by 1 |
| ++a | Pre increments a by 1 |
| --a | Pre decrements a by 1 |

Let’s see their implementation in C++.

#include <iostream>

using namespace std;

int main()

{

int a = 4, b = 5;

cout << "The value of a + b is " << a + b << endl;

cout << "The value of a - b is " << a - b << endl;

cout << "The value of a \* b is " << a \* b << endl;

cout << "The value of a / b is " << a / b << endl;

cout << "The value of a % b is " << a % b << endl;

cout << "The value of a++ is " << a++ << endl;

cout << "The value of a-- is " << a-- << endl;

cout << "The value of ++a is " << ++a << endl;

cout << "The value of --a is " << --a << endl;

}