# C++ ASSIGNMENT OPERATORS

 

Try the following example to understand all the assignment operators available in C++.

Copy and paste the following C++ program in test.cpp file and compile and run this program.

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

main()
{
   int a = 21;
   int c ;

   c =  a;
   cout << "Line 1 - =  Operator, Value of c = : " <<c<< endl ;

   c +=  a;
   cout << "Line 2 - += Operator, Value of c = : " <<c<< endl ;

   c -=  a;
   cout << "Line 3 - -= Operator, Value of c = : " <<c<< endl ;

   c *=  a;
   cout << "Line 4 - *= Operator, Value of c = : " <<c<< endl ;

   c /=  a;
   cout << "Line 5 - /= Operator, Value of c = : " <<c<< endl ;

   c  = 200;
   c %=  a;
   cout << "Line 6 - %= Operator, Value of c = : " <<c<< endl ;

   c <<=  2;
   cout << "Line 7 - <<= Operator, Value of c = : " <<c<< endl ;

   c >>=  2;
   cout << "Line 8 - >>= Operator, Value of c = : " <<c<< endl ;

   c &=  2;
   cout << "Line 9 - &= Operator, Value of c = : " <<c<< endl ;

   c ^=  2;
   cout << "Line 10 - ^= Operator, Value of c = : " <<c<< endl ;

   c |=  2;
   cout << "Line 11 - |= Operator, Value of c = : " <<c<< endl ;

   return 0;
}
```

When the above code is compiled and executed, it produces the following result:

```
Line 1 - =  Operator, Value of c = : 21
Line 2 - += Operator, Value of c = : 42
Line 3 - -= Operator, Value of c = : 21
Line 4 - *= Operator, Value of c = : 441
Line 5 - /= Operator, Value of c = : 21
Line 6 - %= Operator, Value of c = : 11
Line 7 - <<= Operator, Value of c = : 44
Line 8 - >>= Operator, Value of c = : 11
Line 9 - &= Operator, Value of c = : 2
Line 10 - ^= Operator, Value of c = : 0
Line 11 - |= Operator, Value of c = : 2
```