

Basic arithmetic operations

```
#include <iostream>

using namespace std;

int main() {

    int a = 21;

    int b = 10;

    int c ;

    c = a + b;

    cout << "Line 1 - Value of c is :" << c << endl ;


    c = a - b;

    cout << "Line 2 - Value of c is :" << c << endl ;


    c = a * b;

    cout << "Line 3 - Value of c is :" << c << endl ;


    c = a / b;

    cout << "Line 4 - Value of c is :" << c << endl ;


    c = a % b;

    cout << "Line 5 - Value of c is :" << c << endl ;

    return 0;

}
```

Output

Line 1 - Value of c is :31

Line 2 - Value of c is :11

Line 3 - Value of c is :210

Line 4 - Value of c is :2

Line 5 - Value of c is :1

```
#include <iostream>

int main()
{
    using namespace std;

    float hats, heads;

    cout << "Enter a number: ";

    cin >> hats;

    cout << "Enter another number: ";

    cin >> heads;


    cout << "hats = " << hats << "; heads = " << heads << endl;
    cout << "hats + heads = " << hats + heads << endl;
    cout << "hats - heads = " << hats - heads << endl;
    cout << "hats * heads = " << hats * heads << endl;
    cout << "hats / heads = " << hats / heads << endl;

    return 0;
}
```

Output

Enter a number: 13

Enter another number: 4

hats = 13; heads = 4

hats + heads = 17

hats - heads = 9

hats * heads = 52

hats / heads = 3.25

```
#include<iostream>

using namespace std;

int main ()
{
    int a = 25, b = 5;

    cout << "Simple Relational Operator Example Program \n";

    if( a>b )
        cout<<"A is Big"<<endl;
    else if( a== b)
        cout<<"A and B are Equal"<<endl;
    else
        cout<<"B is Big"<<endl;

    int c= 30, d=40;

    if(c<=d)
    {
        cout<<c<<"is less than or equals to "<<d;
    }
    else
        cout<<c<<"is greater than "<<d;
}
```

Output

Simple Relational Operator Example Program

A is Big

30is less than or equals to 40

```
#include<iostream>

using namespace std;

int main ()
{
    int num1 = 30,num2 = 40;

    cout << "Simple Logical Operators Example Program \n";

    if(num1>=40 && num2>=40){

        cout<<("Num 1 and Num 2, both are greater than or equal to 40");

    }

    if(num1>=40 || num2>=40){

        cout<<("Num 1 or Num 2 is greater than or equal to 40");

    }

}
```

Output

Simple Logical Operators Example Program

Num 1 or Num 2 is greater than or equal to 40

```
#include <iostream>

#include <string>

using namespace std;

int main()
{
    int x,y;

    x = (y=3,y+4);
    cout<<"Value of x = "<<x;

    y = (x<5)?0:1;
    if(y == 0)
        cout<<"\nVariable x is less than 5"<<endl;
    else
        cout<<"\nVariable x is greater than 5"<<endl;

    cout<<"sizeof(x): "<<sizeof(x)<<"\t"<<"sizeof(y): "<<sizeof(y);

    return 0;

}
```

Output

Value of x = 7

Variable x is greater than 5

sizeof(x): 4 sizeof(y): 4