DATE

XPT. NO.

```
#include <iostream>
using namespace std;
class complex {
        int real, img;
        public:
          complex()
          {
          }
        complex(int real, int img)
          {
           this -> real = real;
           this -> img = img;
          }
        complex operator ++():
         complex operator -(complex);
        void display()
        {
        cout << real << "+" << img << "i";
        }
      };
complex complex : operator-(complex c1)
    {
      complex c;
      c.real = real - c1.real;
      c.img = img - c1.img;
      return c;
    }
```

Enter 1st complex:

5
5
Enter 2nd complex:
6
6
1. Incomment
2. Subtraction

2
-1+-1i

=

```
complex complex :: operator ++()
  {
    Complex c2 ;
    c2 . real = ++ real ;
    c2 . img = ++ img ;
    return c2;
  }
int main()
  {
    int real, img , real2, img2 , n;
    cout << " Enter 1st complex : " << endl;
    cin >> real >> img ;
    cout << " Enter 2nd complex : " <<endl;
    cin >> real2 >> img2;
    cout << " 1. Increcoment in 2. Subtraction in "
        <<endl;
    cin >> n;
    complex c2(real, img);
    complex c3( real2, img2);
     complex c4;
    switch (n)
       case 1 :
          c4 = ++ c2;
          c4. display();
          break;
       case 2 :
          c4 = c2 - c3 ;
          c4. display()
          break;
       }
```