OBJECT ORIENTED PROGRAMMING LAB

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Batch: MCA

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Experiment No.: 3

Aim

Add complex numbers.

Procedure

Source Code

```
import java.util.Scanner;
class complex{
   int r,b;
   void display(){
      System.out.println("Complex Number is:"+r+"+"+b+"i");
   }
}
public class AddComplex {
   public static void main(String[] args) {

      complex c1=new complex();
      complex c2=new complex();
      complex c3=new complex();
      Scanner s=new Scanner(System.in);
      System.out.println("Enter the real and imaginary parts of complex number 1:");
      c1.r=s.nextInt();
      c1.b=s.nextInt();
      System.out.println("Enter the real and imaginary parts of complex number 2:");
      c2.r=s.nextInt();
      c2.b=s.nextInt();
      c3.r=c1.r+c2.r;
      c3.b=c1.b+c2.b;
      c3.display();
       }
   }
```

Output Screenshot

```
C:\Users\Student\Desktop\Just-in Regular>javac AddComplex.java

C:\Users\Student\Desktop\Just-in Regular>java AddComplex
Enter the real and imaginary parts of complex number 1:
12
2
Enter the real and imaginary parts of complex number 2:
13
3
Complex Number is:25+5i
```