Lab program 6 : passing objects into a class to perform the addition of two objects.

Add two objects of feet,inches by passing objects as parameters into a class called Measure with data members feet, inches and parameterized and non parameterized constructors to initialize the data members feet and inches . Use Calculate() to add the two objects and print the result object.

```
package Second;

//Defining class for adding two objecs of feet and inches
class Measure {
private int feet, inches;

Measure()
{
        this.feet=0;
        this.inches=0;
}

Measure(int feet, int inches) {
  this.feet = feet;
  this.inches = inches;
}

// adding two objects
Measure Calculate(Measure m) {
        Measure r = new Measure();
  r.feet=feet+m.feet;
  r.inches=(inches+m.inches)%12;
  r.feet+=(inches+m.inches)/12;
  return new Measure(r.feet,r.inches);

}

public String toString()
{

        return feet+" feet and "+inches+" inches";
}
}
```

```
public class FeetInchAddition {

	public static void main(String[] args) {
		// initialising data members in the class through parameterized constructor

		Measure m1=new Measure(4,10);
		Measure m2=new Measure(5,10);


		// performing addition of m1 and m2

		System.out.println(m1);
		System.out.println(m2);
		System.out.println(m1.Calculate(m2));

	}

}
```

o/p

4 feet and 10 inches
5 feet and 10 inches
10 feet and 8 inches

Exercises

Add two objects of Complex numbers C1 (3+4i) and C2 (4+5i) by passing objects as parameters into a class called Complex with data members real and Image and parameterized and non parameterized constructors to initialize the data members real and Image. Use Add() to add the two objects and print the result object.