**Name: Vijay vishnu p b**

**Roll No:49**

**Batch:mca b**

**Date:30-05-2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 17**

**Aim**

Create a Graphics package that has classes and interfaces for figures Rectangle, Triangle,

Square and Circle. Test the package by finding the area of these figures.

**Procedure**

package graphics;

interface interface\_graphics{

public float recArea(int l, int h);

public float cirArea(int r);

public float squArea(int a);

public float triArea(int l, int h);

}

public class package\_graphics implements interface\_graphics {

public float recArea(int l, int h){

return l\*h;

}

public float cirArea(int r){

return r\*r\*(float)3.14;

}

public float squArea(int a){

return a\*a;

}

public float triArea(int l, int h){

return l\*h\*(float)(.5);

}

}

import graphics.\*;

public class main\_graphics {

public static void main(String []args){

package\_graphics testObj = new package\_graphics();

System.out.println("the area of the rectangle is:"+testObj.recArea(11,23));

System.out.println("the area of circle is:"+testObj.cirArea(5));

System.out.println("the area of square is:"+testObj.squArea(25));

System.out.println("the area of triangle is: "+testObj.triArea(11,6));

}

}

**Output Screenshot**

