**Name: Rovy M Varghese**

**Roll No: 31**

**Batch: MCA-B**

**Date: 31-05-2022**

**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

package Package\_B;

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);

}

}

main\_graphicss

import Package\_B.\*;

public class main\_graphicss {

public static void main(String []args){

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

System.out.println("Area of Reactangle is:");

System.out.println(testObj.recArea(3,4));

System.out.println("Area of Circle is:");

System.out.println(testObj.cirArea(8));

System.out.println("Area of Square is:");

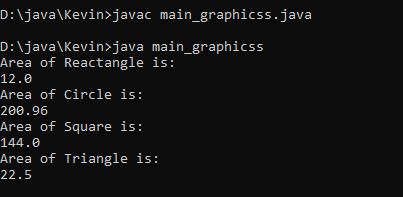
System.out.println(testObj.squArea(12));

System.out.println("Area of Triangle is:");

System.out.println(testObj.triArea(15,3)); }

}

**Output Screenshot**

****