**Name: Libiya Jose**

**Roll No:14**

**Batch:MCA-B**

**Date:3105-2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: CO4(1)**

**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(testObj.recArea(2,4));  
        System.out.println(testObj.cirArea(5));  
        System.out.println(testObj.squArea(6));  
        System.out.println(testObj.triArea(6,3));  
    }  
}

**Output Screenshot**

