

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No: 20**

**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.java**

package 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);

}

}

**main\_graphics.java**

import package\_graphics.\*;

public class main\_graphics {

public static void main(String []args){

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

System.out.println(testObj.recArea(1,2));

System.out.println(testObj.cirArea(10));

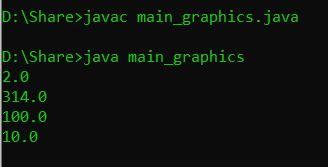
System.out.println(testObj.squArea(10));

System.out.println(testObj.triArea(10,2));

}

}

**Output Screenshot**

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