LAB 4 EXECUTION- 2/11/2020

```
import java.io.*;
import java.util.*;
abstract class Shape
{
double x,y;
Shape(double a,double b)
{
x=a;
y=b;
}
abstract void printArea();


}
class Rectangle extends Shape
{
 Rectangle(double a,double b)
 {
 super(a,b);
 }
void printArea()
{

System.out.println("Area is: "+(x*y));
```

```
}
}
class Triangle extends Shape
{
Triangle(double a,double b)
{
super(a,b);
}
void printArea()
{
System.out.println("Area is: "+(0.5*x*y));
}
}
class Circle extends Shape
{
Circle(double a,double b)
{
super(a,b);
}
void printArea()
{
System.out.println("Area is: "+(3.14*x*y));
}
}
class Abstract_test
```

```
{

public static void main(String args[])

{

Rectangle r1=new Rectangle(10,20);

Triangle t1=new Triangle(2,2);

Circle c1=new Circle(3,3);

r1.printArea();

t1.printArea();

c1.printArea();



}

}
```

```
C:\Users\admin\Documents>java Abstract_test
Area is: 200.0
Area is: 2.0
Area is: 28.259999999999998
```