**Area of circle and rectangle using interface.**

interface Area

{

float pi=3.14f;

double compute(double x,double y);

}

class Rectangle implements Area

{

public double compute(double length,double breadth)

{

double area=(length\*breadth);

return(area);

}

}

class Circle implements Area

{

public double compute(double radius,double a)

{

double area=(pi\*radius\*radius);

return(area);

}

}

class InterfaceTest

{

public static void main(String args[])

{

Rectangle R1=new Rectangle();

System.out.println("Area of Rectangle:"+R1.compute(10.0,5.0));

Circle C1=new Circle();

System.out.println("Area of Circle:"+C1.compute(2.1,1.0));

}

}

**Output**:

C:\Java Programs>javac InterfaceTest.java

C:\Java Programs>java InterfaceTest

Area of Rectangle:50.0

Area of Circle:13.847400462627412