**TASK 1**

package javaapplication2;

public class JavaApplication2 {

public static void main(String[] args) {

Circle object= new Circle();

System.out.println(object.getArea());

System.out.println(object.getColor());

Circle object1= new Circle(6.0);

System.out.println(object1.getArea());

System.out.println(object1.getColor());

Circle object2= new Circle(5.0,"purple");

System.out.println(object2.getArea());

System.out.println(object2.getColor());

}

}

public class Circle {

private double radius=1.0;

private String color="red";

Circle(){

radius=2.0;

color="pink";

}

Circle(double r){

this.radius=r;

}

Circle(double r,String c){

this.radius=r;

this.color="blue";

}

public double getRadius() {

return radius;

}

public String getColor() {

return color;

}

public void setRadius(double radius) {

this.radius = radius;

}

public void setColor(String color) {

this.color = color;

}

public double getArea() {

double area;

area=3.14\*radius\*radius;

return area;

}

}