**Name :Aditi Bandawar**

**Roll NO. :TYETA08**

***Experiment:2*** [***https://onlinegdb.com/P9N6Tk9mc***](https://onlinegdb.com/P9N6Tk9mc)

**Code:**

import java.util.\*;

public class Expt2 {

public static class Rectangle{

double length, width, Area;

String color;

void get\_value(double l, double w, String c) {

length= l;

width = w;

color = c;

}

double get\_length() {

return length;

}

double get\_width() {

return width;

}

double get\_area() {

System.out.print("The area is: ");

System.out.println(get\_length()\*get\_width());

return get\_length()\*get\_width();

}

}

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.print("TYETA08 Aditi Bandawar");

double l1 = sc.nextDouble();//memory allocation for first rectangle

double w1 = sc.nextDouble();

String c1 = sc.next();

Rectangle R1 = new Rectangle();

R1.get\_value(l1, w1, c1);//parameterized constructor called

R1.Area = R1.get\_area();

double l2 = sc.nextDouble();//memory allocation for 2nd rectangle

double w2 = sc.nextDouble();

String c2 = sc.next();

Rectangle R2 = new Rectangle();//creating a new object

R2.get\_value(l2, w2, c2);//parameterized constructor called

R2.Area = R2.get\_area();

if(R1.Area == R2.Area && R1.color.equals(c2)) {

System.out.println("True");

}

else {

System.out.println("False");

}

}

}

**OUTPUT**

