Week 2 lab program 1

import java.util.Scanner;

public class Roots {

public static void main(String args[]){

double x = 0, y = 0;

Scanner sc = new Scanner(System.in);

System.out.println("Enter the value of a ");

double a = sc.nextDouble();

System.out.println("Enter the value of b ");

double b = sc.nextDouble();

System.out.println("Enter the value of c ::");

double c = sc.nextDouble();

double d = (b\*b)-(4\*a\*c);

double sqrt = Math.sqrt(d);

if(d>0){

x = (-b + (sqrt))/(2\*a);

y = (-b - (sqrt))/(2\*a);

System.out.println("Roots are "+ x +" and "+y);

}

else if(d == 0){

System.out.println("Root is "+x);

}

else{

System.out.println("There are no real solutions");

}

}

}

Output

