Quadratic equation using java

import java.util.Scanner;

import java.lang.Math;

class quadratic

{

double d,val;

void find(double a, double b, double c)

{

if(a==0)

{

System.out.println("a cannot be zero");

return;

}

else

{

d=b\*b-4\*a\*c;

val=Math.sqrt(Math.abs(d));

}

if(d>0)

{

System.out.println("The roots are real and unique");

System.out.println((-b+val)/(2\*a)+"\n"+(-b-val)/(2\*a));

}

else if(d==0)

{

System.out.println("The roots are real and equal");

System.out.println(-b/(2\*a));

}

else

{

System.out.println("There is no real root");

double realpart=-b/(2\*a);

double img=Math.sqrt(-d)/(2\*a);

System.out.println("root1="+realpart+"+"+img+"i"+" and "+"root2="+realpart+"-"+img+"i");

}

}

}

class swastik1

{

public static void main(String args[])

{

quadratic ob1=new quadratic();

System.out.println("Enter the value of a,b and c");

Scanner sc= new Scanner(System.in);

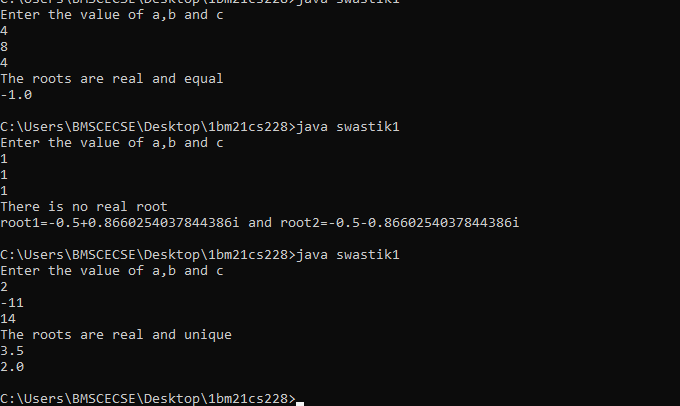
double a1=sc.nextDouble();

double b1=sc.nextDouble();

double c1=sc.nextDouble();

ob1.find(a1,b1,c1);

}

}

