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program 1
                                                                                                                                                                                                       ABMIAECI73
                                                                                                                                                                                                   Vaibhavi Patil
 import java-util. *;
public class Roots of Quadratic Equation of public static void main (string args [])
                  Catharina to the first and the state of the 
         double first Root= 0; second Root=0;
         Scannes &c = new Scanner (System.in);
        System out print in ("Enter the value of a:");
         double a = scnextDouble();
        System.out. println (" Enter the value of b: ");
         double b = sc.nextDouble();
        System-out-println1" Enter the value of c:");
       double c = sc. nextDouble();
         double d = (b*b) - (4*a*c);
        double sqrt = Math.sqrt(a);
        if (d>0)
                    first Root = (-6+598t)/(2*a);
                   secondRoot=(-b-sqrt)/(2*a);
                   System.out.print In (Roots are real and distinct ");
                 System.out. println ("Roots are: "+filst Root +" and "+secondRoot);
             else if (d== 0)
                        System.out.println ("Roots are reaf and equal");
                      System.out.println ("Root is: "+(-b+sqrt)/(2+a));
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double realfart = -b/(2*a);

double imag Part = Math.sqrt(-d)/(2*a);

System.out.println("Rools are imaginary");

System.out.println("Rools are; "+realPart+"!"+imagPart);

System.out.println("Roots are: "+realPart+"!"+imagPart);

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