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File Edit Selection View Go Run Terminal Help
                                                                                                       quadratic java - PROJECT WORK - Visual Studio Code
   EXPLORER
                                    Welcome
                                                    index.html
                                                                    quadratic.java X
  > OPEN EDITORS
                                     guadratic.java
                                       1 import java.util.Scanner;

→ PROJECT WORK

                                           class quadratic
   > .vscode
   > css
                                                public static void main(String args[]){
   ) js
                                                    double root1=0, root2=0;
   o index.html
                                                    Scanner ss =new Scanner(System.in);
   quadratic.class
                                                    System.out.print("Enter the coefficient of a of ax^2+bx+c=0:");
   quadratic.java
                                                    double a=ss.nextDouble();
                                                    System.out.print("Enter the coefficient of b of ax^2+bx+c=0:");
                                                    double b=ss.nextDouble();
                                                    System.out.print("Enter the coefficient of C of ax^2+bx+c=0:");
                                                    double c=ss.nextDouble();
                                                    double denominator=2*a;
                                                    double D=(b*b)-4*a*c;
                                                    if (D>0)
                                                        System.out.println("The solutions are real and distinct");
                                                        root1=((-b+ Math.sqrt(D))/denominator);
                                                        root2=((-b- Math.sqrt(D))/denominator);
                                      20
                                                        System.out.println("Roots are " +root1+" "+root2);
                                                    else if(D==θ)
                                                        System.out.println("The solutions are real and equal");
                                                        root1=root2=-b/denominator;
                                                        System.out.println("Roots are"+root1+"and"+root2);
                                                    else
                                                        System.out.println("Equation has no real solutions");
```

Command Prompt Microsoft Windows [Version 10.0.10240] (c) 2015 Microsoft Corporation. All rights reserved. C:\Users\akki>cd Desktop C:\Users\akki\Desktop>cd "PROJECT WORK" C:\Users\akki\Desktop\PROJECT WORK>javac quadratic.java C:\Users\akki\Desktop\PROJECT WORK>java quadratic Enter the coefficient of a of ax^2+bx+c=0:15 Enter the coefficient of b of ax^2+bx+c=0:68 Enter the coefficient of C of ax^2+bx+c=0:3 The solutions are real and distinct Roots are -0.044555558333472335 -4.488777774999861 C:\Users\akki\Desktop\PROJECT WORK>java quadratic Enter the coefficient of a of ax^2+bx+c=0:1 Enter the coefficient of b of ax^2+bx+c=0:-3 Enter the coefficient of C of ax^2+bx+c=0:4 Equation has no real solutions C:\Users\akki\Desktop\PROJECT WORK>java quadratic Enter the coefficient of a of ax^2+bx+c=0:4 Enter the coefficient of b of ax^2+bx+c=0:4 Enter the coefficient of C of ax^2+bx+c=0:1 The solutions are real and equal Roots are-0.5and-0.5 C:\Users\akki\Desktop\PROJECT WORK>