Develop a Java program that print all
the neal solutions to quadratic equation

and toxt c=0, Read a,b,C. If the discriminate

b^2-4ac is negative, display there are no
yeal solutions

```
import Java. util. Scanner;
class quadraticEq
public static void main (string XXCI)
           double a;
           double b;
           double c;
           double most 1, noot 2;
Scanner SS = new Scanner (System.in);
system. out . print (" Enter values of a, b, c");
a = SS. next double();
b = SS. next double();
c = SS. next double();
double determinant = b*b-4*a*c
      y (A = = 0)
      system. out.print (" It is not a quadratic equation")
      else
            y (determinant >0)
                       ((-b+ Math. sqrt (determinant))/
                noot 2 = ((-b+ Math. sqrt (determinant))
                                                 2*a);
                System. out. println (" The noot
                   distinct and Meal; "troot 1+" and
                    " + root 2);
```

```
y (deter minant ==0)
                                       ns quadratic Es
           noot1 = 900t2 = -b/2*a
           System. out. print ("The swots are equal
                                            "+ root1);
         y (determinant <0)
              noot 1 = ((-b + Math. abs (Math. sqxt
                             (determinant)))/2*a);
              Moot 2 = (1-b-Math.abs (Math. sgrt
                             (determinant ))) 12*a).
              system.out. print (" The noots are
                          Imaginary: "+" i"+ noot 1+ "
                                  + " f" + root 2):
System. out. print (" It is not a quadragic equation)
                      y (determinant so)
  Mobel = ((b+Math. Syrt (determinant))
  naute = ((-b+ Math sqrt (determinant)))
    System out printle ("The read one
 distance and mealif "tractle" and
```

JAVA. VIII. SCHMINGY

```
:\Users\Admin\Desktop\18M21C5011>javac QuadraticEq1.java
:\Users\Admin\Desktop\18M21C5011>javac QuadraticEq1
rror: Class names, 'QuadraticEq1', are only accepted if annotation processing is explicitly requested
error
:\Users\Admin\Desktop\1BM21CS011>java QuadraticEq1
rror: Could not find or load main class QuadraticEq1
aused by: java.lang.ClassNotFoundException: QuadraticEq1
:\Users\Admin\Desktop\1BM21CS011>javac QuadraticEq1.java
:\Users\Admin\Desktop\18M21CS011>javac QuadraticEq1.java
:\Users\Admin\Desktop\1BM21CS011>java QuadraticEq1
nter the values of a,b,c0 0 0
t is not a quadratic equation
:\Users\Admin\Desktop\1BM21C5011>1 1 1
1' is not recognized as an internal or external command,
perable program or batch file.
:\Users\Admin\Desktop\1BM21C5011>111
111' is not recognized as an internal or external command, perable program or batch file.
:\Users\Admin\Desktop\1BM21CS011>1
1' is not recognized as an internal or external command,
perable program or batch file.
:\Users\Admin\Desktop\1BM21C5011>java QuadraticEq1
nter the values of a,b,c1 1 1
he roots are imaginary:iNaN iNaN
:\Users\Admin\Desktop\1BM21C5011>java QuadraticEq1
nter the values of a,b,c1 4 3
he roots are distinct and real:-1.0and -3.0
:\Users\Admin\Desktop\1BM21CS011>java QuadraticEq1
nter the values of a,b,c0 1 2
t is not a quadratic equation
:\Users\Admin\Desktop\18M21CS011>java QuadraticEq1
nter the values of a,b,c1 1 1
he roots are imaginary:iNaN iNaN
:\Users\Admin\Desktop\1BM21CS011>java QuadraticEq1
nter the values of a,b,c4 -4 1
he roots are equal:8.0
:\Users\Admin\Desktop\18M21CS011>javac QuadraticEq1.java
:\Users\Admin\Desktop\1BM21CS011>java QuadraticEq1
nter the values of a,b,c0 2 3
t is not a quadratic equation
:\Users\Admin\Desktop\1BM21CS011>java QuadraticEq1
nter the values of a,b,c1 1 1
he roots are imaginary:10.3660254037844386 1-1.3660254037844386
:\Users\Admin\Desktop\1BM21CS011>java QuadraticEq1
nter the values of a,b,c4 -4 1
he roots are equal:8.0
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nter the values of a,b,c1 4 3
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:\Users\Admin\Desktop\18M21C5011>
```

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