```
Develop a jour forgram that prints on smal bolotions to
   quadratic equation ox +6x+c = 0. Read in a, b, c and
   use the ap quadratic formula. If the discriminate to- too
    is negotive, display a message storing that there are no real
   Solutions
   import java. util. Scannon;
   hublic class Quadratic
     hublic static void main (String[] args)
      double a, b, C, 2100t 1, 200t 2;
       double d
     Scanner sc = new Scanner (System. in);
     System autoprinten ("Enter value of &! ")-
     b = Sc. next Double ()
     System.out. printen l'Enter the value of a: ");
     a = Sc. next bouble).
     System. out pointen (" Enter value of c. ");
    e=sc.nextDouble();
    d= (6*6)-(4*a*c).
    4 (0>0)
     9 900+1=(-b+ Math. sqrt ((b*6)-(4*a*c))/(2*a);
         5100+2= (-6-Mothisqut-((6*6)-(4*a*c))/(2*a);
     System out frinkln (" First need is!" + sout)
     system out println (" Swand most is: " + most 2).
     else if (d==0)
       neof1 = - 4(2 a);
      System out frinkln ("Both nosts are some and equal to
   fer else if (d To)
          { System. out. frints (" Real mosts dot exist.");
```

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Quadratic - Notepad
                                                                                                                                                                                                   ♬
import java.util.Scanner;
public class Quadratic
public static void main(String[] args)
double a,b,c,root1,root2;
double d:
Scanner sc=new Scanner(System.in);
System.out.println("Enter the value of b:");
b=sc.nextDouble():
System.out.println("Enter the value of a:");
a=sc.nextDouble():
System.out.println("Enter the value of c:");
c=sc.nextDouble();
d=(b*b)-(4*a*c);
if(d>0)
root1=(-b+Math.sqrt((b*b)-(4*a*c)))/(2*a);
root2=(-b-Math.sqrt((b*b)-(4*a*c)))/(2*a);
System.out.println("First root is:"+root1);
System.out.println("Second root is:"+root2);
else if(d==0)
root1 = -b/(2*a);
System.out.println("Both roots are same and are equal to:"+root1);}
else if(d<0)
System.out.println("Real roots dont exist");
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                                                                                                                                                                       100% Windows (CRLF)
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```

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Quadratic - Notepad
File Edit Format View Help
double a,b,c,root1,root2;
double d;
Scanner sc=new Scanner(System.in);
System.out.println("Enter the value of b:");
b=sc.nextDouble();
System.out.println("Enter the value of a:");
a=sc.nextDouble();
System.out.println("Enter the value of c:");
c=sc.nextDouble();
d=(b*b)-(4*a*c);
if(d>0)
root1=(-b+Math.sqrt((b*b)-(4*a*c)))/(2*a);
root2=(-b-Math.sqrt((b*b)-(4*a*c)))/(2*a);
System.out.println("First root is:"+root1);
System.out.println("Second root is:"+root2);
else if(d==0)
root1 = -b/(2*a);
System.out.println("Both roots are same and are equal to:"+root1);}
else if(d<0)
System.out.println("Real roots dont exist");
                                                                                                                                                     Ln 9, Col 2
                                                                                                                                                                              Windows (CRLF)
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```

as Command Prompt	_	\times
Microsoft Windows [Version 10.0.18363.1139] (c) 2019 Microsoft Corporation. All rights reserved.		^
C:\Users\sohan>cd C:\Users\sohan\Desktop\Java Programs\Quadratic Eq		
C:\Users\sohan\Desktop\Java Programs\Quadratic Eq>javac Quadratic.java		
C:\Users\sohan\Desktop\Java Programs\Quadratic Eq>java Quadratic Enter the value of b: 34 Enter the value of a: -21 Enter the value of c: 4		
First root is:-0.11015275789656984 Second root is:1.7292003769441888		
C:\Users\sohan\Desktop\Java Programs\Quadratic Eq>_		
		~