Roots - Notepad

File Edit Format View Help

```
import java.util.*;
class Roots
{
  public static void main(String[] args)
{
  int a,b,c,f=0;
  double D;
  Scanner sc=new Scanner(System.in);
  System.out.println("\nEnter the values of a,b,c:");
  a=sc.nextInt();
  b=sc.nextInt();
  c=sc.nextInt();
  D=(b*b)-(4*a*c);
  if(D==0)
 {
  System.out.println("Roots are real and equal");
  f=1;
 }
 else if(D>0)
 {
  System.out.println("Roots are real and unequal");
  f=1;
 }
 else if(D<0)
 {
  System.out.println("Roots are imaginary");
 }
if(f==1)
{
  double r1=((-b+Math.sqrt(D))/(2*a));
  double r2=((-b-Math.sqrt(D))/(2*a));
  System.out.println("Roots are:"+r1+","+r2);
}
}
}
```

Command Prompt

```
09-10-2020  14:14    <DIR>          .
09-10-2020  14:14    <DIR>          ..
25-09-2020  23:03             1,050 Grade.class
25-09-2020  14:31               843 Grade.java
19-09-2020  22:26               407 hello.class
19-09-2020  21:24                93 hello.java
09-10-2020  10:50               952 Player.java
25-09-2020  23:15               869 Prime.class
25-09-2020  23:14               535 Prime.java
09-10-2020  14:33             1,219 roots.class
09-10-2020  14:33               664 Roots.java
25-09-2020  23:07               998 Series.class
25-09-2020  23:07               403 Series.java
25-09-2020  23:01             1,661 Shape.class
25-09-2020  22:59             1,322 Shape.java
09-10-2020  12:53               219 Student.java
              14 File(s)         11,235 bytes
               2 Dir(s)  139,117,805,568 bytes free

C:\Users\vedika\Desktop\javap>javac Roots.java

C:\Users\vedika\Desktop\javap>java Roots

Enter the values of a,b,c:
1
3
-4
Roots are real and unequal
Roots are:1.0,-4.0

C:\Users\vedika\Desktop\javap>
```