```
🜏 C:\Users\HARSHITHA RM\Desktop\ooj\lab2.java - EditPlus
🌶 File Edit View Search Document Project Tools Browser Emmet Window Help
Directory Cliptex • •
                               import java.util.Scanner;
                               import java.lang.Math;
C:\
                               class Quadratic
 Users
                           5 ⊟{
  HARSHITHA RM
                          6
7 ⊟
                                   public static void main(String[] args)
   Desktop
                                        int a,b,c;
double d,r1,r2;
Scanner sc=new Scanner(System.in);
System.out.println("Enter a,b,c:");
 ooj 📗
                         11
12
13
14
                                        a=sc.nextInt();
                                        b=sc.nextInt();
c=sc.nextInt();
                        16
17
                                        d=b*b-4*a*c;
example.class
                                        if(d>0)
example.java
                         18 ⊟
19
                                           System.out.println("Roots are real and unequal");
r1=(-1*b-Math.sqrt(d))/(2*a);
r2=(-1*b-Math.sqrt(d))/(2*a);
System.out.printf("root 1 =%.2f root 2=%.2f ",r1,r2);
example.java.bak
ab2.java.bak
Quadratic.class
                         22
                         23
24
                         25
26 ⊟
27
                                        else if(d==0)
                                             System.out.println("Roots are real and equal");
                         28
29
30
                                             r1=(-1*b)/(2*a);
                                             r2=r1;
System.out.printf("root 1 =%.2f root 2=%.2f ",r1,r2);
                         31
32
33
34
35 ⊟
36
37
38
39
40
41
42
43
                                        }
                                        else
                                          System.out.println("Roots are imaginary as d("+d+")"+ "is negative therefore no real solution");
                                        }
                                   }
                              }
```

## C:\Users\HARSHITHA RM\Desktop\ooj>java Quadratic Enter a,b,c: 78 56 34 Roots are imaginary as d(-7472.0)is negative therefore no real solution C:\Users\HARSHITHA RM\Desktop\ooj>java Quadratic Enter a,b,c: 23 48 76 Roots are imaginary as d(-4688.0)is negative therefore no real solution C:\Users\HARSHITHA RM\Desktop\ooj>java Quadratic Enter a,b,c: 34 56 11 Roots are real and unequal root 1 =-0.23 root 2=-1.42 C:\Users\HARSHITHA RM\Desktop\ooj>java Quadratic Enter a,b,c: 121 Roots are real and equal root 1 =-1.00 root 2=-1.00 C:\Users\HARSHITHA RM\Desktop\ooj>

Command Prompt