OOT LAB

LAB PROGRAM1

```java
import java·util.*;
class quadratic
{
public static void main (String args[])
{
Scanner s= new Scanner (System·in);
int a, b, c;
double R1, R2;
double D;
System·out·println ("Enter value of a ");
a = s·nextInt ();
System·out·println (" Enter value of b");
b= s·nextInt ();
System·out·println "Enter value of c");
c= s·nextInt ();
D= b*b-(4*a*c);
if (D>0)
{
System·out·println (" Roots are real and
                          equal");
R1 = (-b + Math·pow (D, 0·5))/(2*a);
R2= (-b- Math·pow (D, 0·5))/(2*a);
System·out·println (" Roots are"+R1 +R2);
}
else if (D==0) {
System·out·println ("Roots are real & equal");
R1= (-b)/(2*a);
System·out·println (" Root is " +R1);
} else {
System·out·println (" Equation has no real
                          roots");
}}}
```

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