lab - 1

```
import java.util.*;

public class main {

public static void main (String [] args)
 {
  Scanner sc = new Scanner (System.in);
  int a,b,c;
  double D, r1, r2;
 System.out.println (" Enter the values of a,b and c ");
   a = sc.nextInt();
   b = sc.nextInt();
   c = sc.nextInt();
   D = (b*b) - (4*a*c);
   if (D==0)
   {
   System.out.println("\n Roots are equal and real");
     r1 = r2 = D/2a;

   System.out.println("\n" +r1+" "+r2);

  }

else if (D>0)
 {
  System.out.println("\n Roots are real and distinct");
     r1 = (-b + Math.sqrt(D));
     r2 = (-b - Math.Sqrt(D));
   System.out.println (r1+" "+r2);
}
```

```
else
{
    System.out.println("\n Roots does not exist");
}
}
}
```