```
25          System.out.println("Enter
26          c = sc.nextDouble();
27
28          det= (b*b)-(4*a*c);
29          double sqrt = Math.sqrt(de
30
31          if(det>0)
32          {
33              x = (-b+sqrt)/(2*a);
34              y = (-b-sqrt)/(2*a);
35              System.out.println("Ro
36          }
37          else if(det==0)
38          {
39              System.out.println("R
40          }
41          else
```

```
Enter the value of a:
4
enter the value of b:
5
Enter the value for c:
1
Roots are :: -0.25 and -1.0
```

Main.java

```
11  public class Main
12  {
13      public static void main(String args[])
14      {
15          double x=0, y=0;
16          double a,b,c;
17          double det;
18          Scanner sc = new Scanner(System.in);
19          System.out.println("Enter the value of a:");
20          a = sc.nextDouble();
21
22          System.out.println("enter the value of b:");
23          b  = sc.nextDouble();
24
25          System.out.println("Enter the value for c:");
26          c = sc.nextDouble();
27
28          det= (b*b)-(4*a*c);
29          double sqrt = Math.sqrt(det);
30
31          if(det>0)
32          {
33              x = (-b+sqrt)/(2*a);
34              y = (-b-sqrt)/(2*a);
35              System.out.println("Roots are :: "+x+" and
36          }
```

```
Enter the value of a:
2
enter the value of b:
2
Enter the value for c:
2
There are no real solutions
```