Q. Java Program to find out roots of quadratic equation

```
import java.util.scanner;
import java.lang.*;
public class Quadratic{
public static void main (String [] args){
double a, b, c, d, R1, R2;
Scanner sc = new Scanner(system.in);
System.out.println(" Enter the values of a,b,c");
a = sc.nextDouble();
b = sc.nextDouble();
c = sc.nextDouble();
sc.close();
d = ( Math.pow(b,2) - (4*a*c));

if (d<0)
{
System.out.println(" No real roots");
}
else if (d==0)
{
System.out.println(" Roots are real and equal");
R1 = -b/(2*a);
R2 = -b/(2*a);
System.out.println(" First root=" +R1 + "\n
           second root = " +R2);
}
```

```java
else if (d>0)
System.out.println("Roots are real and
                    distinct");
R_1 = (-b + Math.sqrt(d))/(2*a);
R_2 = (-b - Math.sqrt(d))/(2*a);

System.out.println("first root=" +R_1 +"\nsecond
                   root =" +R_2);
}

}

}
```