Q) Quadratic Eqn

$\Rightarrow$

```java
import java.util.*;

public class Main {

    public static void main (String [] args) {
        Scanner sc = new Scanner (System.in);

        System.out.println (" Enter coefficients of x^2, x and constant term:");

        double a = sc.nextDouble ();
        double b = sc.nextDouble ();
        double c = sc.nextDouble ();

        if (a==0)
            System.out.println (" Enter valid value of x^2 ");

        else {

            double d = Math.pow (b,2) - 4*a*c;

            if (d==0) {
                double r1 = -b/(2*a);
                System.out.println ("roots are : "+ r1+" & "+r1);
            }
            else if (d<0) {
                d *= -1;
                double real = -b/(2*a);
                double img = Math.sqrt(d)/(2*a);
                System.out.println ("img roots are:"+ real+" +/- " + img +"i");
            }
        }
```

```java
    else {
        root r1 = (-b + Math.sqrt(D))/(2*a);
        root r2 = (-b - Math.sqrt(D))/(2*a);

        System.out.println("Roots are :" + r1 +" &" + r2+":");

        }
    }
}
```