Lab - 1

1) Quadratic Equation:

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```java
import java.util.Scanner;
public class Quadraticd {
    public static void main(String [] strings){
        Scanner.out.print ("Input a: ").
        double   a = input.nextDouble();
        System.out.print("Input b: ");
        double b = input.nextDouble();
        System.out.print("Input c: "),
        double c = input.nextDouble();

        double result = b*b - 4.0*a * c;
    if (result > 0.0)

        { double r1 = (-b+ Math.pow (result, 0.5)) / (2.0*a);
        double r2 = (-b - Math.pow(result, 0.5)) / (2.0*a);
        System.out.println ("the roots are "+r1+"and" +r2);
        }
        else if (result == 0.0){
        double r1 = -b/ (2.0*a);
        System.out.println ("The roots are equal and real
                            and is "+r1);
        } else {
        System.out.println("the equation has no real roots.")
        }
    }
}
```