

Aim: To write a program to find the square of the given decimal number.

Program:

```
import static org.junit.Assert.*;
import java.util.Scanner;

public class CalcSquare {
    public static void main(String[] args) {
        try {
            Scanner s = new Scanner(System.in);
            System.out.println("Enter a number");
            double n = s.nextDouble();
            double a = 0, b = 0;
            a = n * n;
            b = n * n * n;
            System.out.println("The square of no is " + a);
            System.out.println("The square of no is " + b);
        } catch (Exception e) {
            System.out.println("Invalid");
        }
    }
    {
        assertTrue("expected output = a", a);
        assertTrue("expected output = a b", b);
    }
}
```

Output

Input

Enter a number

5

Input

Enter a number

25

Actual output

The square of no = 25.0

The square of no = 125.0

Actual output

The square of no = 625.0

The square of no = 15625.0