

### Hands-on Exercise Objective

After completing the hands-on exercises, you will be able to:

- Develop simple Java program using Switch/Case statement.

#### Problem Statement:

In the previous activity related to calculate area of circle/triangle and square replace the IF statements with Switch case.

Now Execute the class for the following test cases,

**Test Case 1:** Specify the following values and run the main method

1. Set the value of numberOfSides as 3 and sideLength as 12.
2. Invoke the method calculateShapeArea ().

**Expected Output:** The following messages should be displayed in the console

The Area of the Triangle is 62.3538

**Test Case 2:** Specify the following values and run the main method

1. Set the value of numberOfSides as 4 and sideLength as 15.
2. Invoke the method calculateShapeArea ().

**Expected Output:** The following messages should be displayed in the console

The Area of the Square is 225

**Test Case 3:** Specify the following values and run the main method

1. Set the value of numberOfSides as 5 and sideLength as 15.
2. Invoke the method calculateShapeArea().

**Expected Output:** The following messages should be displayed in the console

No Shapes Present