1. Write a Java program to display the following pattern.
Sample Pattern :

```
   J    a    v     v    a
   J    a a    v   v    a a
J  J   aaaaa    V V   aaaaa
 JJ   a      a   V   a      a
```

2. Write a Java program to compute the specified expressions and print the output.
Test Data:
 ((25.5 * 3.5 - 3.5 * 3.5) / (40.5 - 4.5))
Expected Output
 2.138888888888889

3. Write a Java program to print the area and perimeter of a circle.
Test Data:
 Radius = 7.5
Expected Output
 Perimeter is = 47.12388980384689   Area is = 176.71458676442586

4. Write a Java program that takes three numbers as input to calculate and print the average of the numbers.

5. Write a Java program to compare two numbers.
 Input Data:
 Input first integer: 25
 Input second integer: 39
Expected Output

```
25 != 39   25 < 39   25 <= 39
```

 6. Write a Java program to reverse a string.
 Input Data:
 Input a string: The quick brown fox
Expected Output : `Reverse string: xof nworb kciuq ehT`

7. Write a Java program to count the letters, spaces, numbers and other characters of an input string.
Expected Output

```
The string is :  Aa kiu, I swd skieo 236587. GH kiu: sieo?? 25.33
letter: 23    space: 9      number: 10     other: 6
```