1.1 (Display three messages) Write a program that displays Welcome to Java, Welcome to Computer Science and Programming is fun.

1.2 (Display five messages) Write a program that displays welcome to java five times.

1.3 (Display a pattern) Write a program that display the following pattern:

```
   J      A      V    V    A
   J      A A     V   V    A A
 J  J   AAAAA     V V    AAAAA
  J J   A     A    V    A      A
```

1.4 (Print a table) Write a program that displays the following table:

a	a^2	a^3
1	1	1
2	4	8
3	9	27
4	16	64

1.5 (Compute expressions) Write a program that displays the result of

$$\frac{9.5 \times 4.5 - 2.5 \times 3}{45.5 - 3.5}.$$

1.6 (Summation of a series) Write a program that displays the result of

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9$

1.7 (Area and perimeter of a circle) Write a program that displays the area and perimeter of a circle that has a radius of 5.5 using the following formula:

$$perimeter = 2 \times radius \times \pi$$

$$area = radius \times radius \times \pi$$

1.8 rewrite the 1.7 problem and get the value (radius) from keyboard and display (Area and Perimeter of circle)

1.9 (Area and perimeter of a rectangle) Write a program that displays the area and perimeter of a rectangle with the width of 4.5 and height of 7.9 using the following formula:

Area = width X height

1.10 rewrite the 1.9 problem and get the values (width and height) from keyboard and display area of a rectangle.