Lab 2- Problem Set – OOP(Java)

1. Write a Java to calculate the area and perimeter of a Rectangle, and display the result.

Hints: The area of a Rectangle = length × width, perimeter = 2 × (length + width).

2. Write a Java to calculate the VAT (Value Added Tax) over an amount

Hints: VAT = 15% of the amount

3. Write a Java to find whether a given number is odd or even

Hints: use IF-ELSE

4. Write a Java to find the largest number from three given numbers

Hints: use IF-ELSE

5. *Write a Java to print all the odd numbers between 10 to 100*

Hints: use LOOP & IF-ELSE

6. *Write a Java to search an element from an array*

Hints: use LOOP, IF-ELSE & ARRAY

7. Print the following shapes

Hints: use NESTED LOOP

* * * * * *	1 2 3 12 1	A B C D E F

8. Declare a 2D array like following and print the following shapes

Hints: use 2D ARRAY & NESTED LOOP

The array to declare				Shapes to print	
1	2	3	A	1 2 3	A
1	2	B	C	12	B C
1	D	E	F	1	D E F