

LAB 1

EXERCISE 1: PATTERN

- Write code in Java for following pattern.

1		*
12		* * *
123	1	* * * * *
1234	2 2	* * * * * *
12345	3 3 3	* * * * * * *
123456	4 4 4 4	* * * * * * * *
1234567		* * * * * * * * *
12345678		* * * * * * * * * *
123456789		* * * * * * * * * *
12345678910		* * * * * * * * * *
		* * * * * * *
		* * * * *
		* * *
		*

EXERCISE 2: ARRAY

1. Write a program to sum values of an array.
2. Write a program to test if an array contains a specific value.
3. Write a program to find the index of an array element.
4. Write a program to remove a specific element from an array.
5. Write a program to insert an element (specific position) into an array.
6. Write a program to find the maximum and minimum value of an array.
7. Write a program to find the duplicate values of an array of integer values frequency.
8. Write a program to check if an array of integers without 0 and -1.
9. Write recursive solution for factorial and Fibonacci series.
10. Write code to find 10 Armstrong numbers.