

LAB Sheet #4

OBJECTIVES: i. Introduction to Nested Loop

PROBLEMS FOR PRACTICE:

1. Write a program to print the following series up to n terms where n is a user input.

(1) + (1+2) + (1+2+3) + (1+2+3+4) + (1+2+3+4+5) +

2. Write separate programs to print the following patterns taking number of rows as user input

| | | |
|--|--|------------------------------------|
| (a) * * * * * * * * * * * * * * * | (b) a ab abc abcd abcde | © 1 2 3 4 5 6 7 8 9 10 |
|--|--|------------------------------------|

3. Write separate programs to print the following patterns taking number of rows as user input

(a)

* * * * *

* * * *

* * *

* *

*

(b)

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 1 | | | |
| | | 1 | 2 | 3 | | |
| | 1 | 2 | 3 | 4 | 5 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |