

Assignment 4: More on Selection statements and Loops

Date: Thursday 4th October 9:30am – 12:20 pm

You must demo all your work *during your lab session and before exiting the lab*. And submit the lab work in the blackboard.

Programs:

1. Write a program that prints the following triangle:

```

*
* *
* * *
* * * *
* * * * *
```

2. For the following program ask the user to enter the number of rows that needs to be displayed and print in the following format:

For ex:

Enter the number of rows you want in the triangle:
If input is 5, it needs to be displayed like this:

```

*
* *
* * *
* * * *
* * * * *
```

3. Write a program that prints a one-month calendar. The user specifies the number of days in the month and the day of the week on which the month begins:

Enter number of days in month: 31
Enter starting day of the week (1=Sun, 7=Sat): 3

```

1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31
```

4. Write a program to print Fibonacci series up to n number of terms.

Write pseudocode to solve the given problems.

Write C program to solve the above problems. Name your file Lab4_YourName.c