## Lab Task Week 12

- Plagiarized tasks will be awarded zero marks.
- There will be deduction for late submission.
- Use meaningful variable names instead of a, b, c, x, y, z.
- Use proper indentation.
- Your programs should satisfy all the requirements mentioned in the
- description or discussed in lab.

**Note:** You must submit the .c files of all tasks plus the picture of hand written logic/ dry run practice on paper too (logic not the code as it is).

• Write a program in which user will enter a no of his choice and the program will display the following series.

Means if the user enters 5, the program should calculate the following 1/1! + 2/2! +3/3! + 4/4! + 5/5!

And display the output in the following manner.

## Sample Output:

• Write a C program to construct the following pattern, using a nested loop.

```
How many rows? 5

**

**

***

****
```

• Write a C program to construct the following pattern, using a nested loop. Take the no of rows from user.

```
How many rows? 5
12345
2345
345
45
5
```

• Write a C function to construct the following pattern, using a nested for loop. User should enter a symbol e.g \*,^,@,- etc, and your function should a pattern like this of that symbol

```
Enter a char: @
How many rows? 5
@ @ @ @ @
@ @ @ @
@ @ @
@ @
@ @
```