



Tutorial

CPSC 217

Nested Loop: Practice

- Try to replicate the following pattern. The pattern size changes according to input value.

```
Enter an integer:7
```

```
1
1 3
1 3 6
1 3 6 10
1 3 6 10 15
1 3 6 10 15 21
1 3 6 10 15 21 28
```

```
Enter an integer:5
```

```
1
1 3
1 3 6
1 3 6 10
1 3 6 10 15
```

Nested Loop: Practice 1

➤ Solution

```
n = int(input('Enter an integer:'))

if n <= 0:
    print("Wrong input. Program Terminated.....")
else:
    for i in range(1,n+1,1):

        prev_value = 0

        for j in range(1,i+1,1):
            prev_value = prev_value + j
            print(prev_value," ", end= " ")

        print()
```

Assignment 02:

- Read the Assignment 02 **requirements** carefully from the provided PDF of the assignment in D2L.
- Write you **Name** and **UCID** at the top of the code.
- Document your code:
 - **Header**: Brief description of the program
 - **Block comments**: Simple description of each block (What it will do)
 - **Line comments**: when necessary
- Variable names:
 - Self descriptive:
 - a single word (not a single letter): **length, width**
 - words connected with underscore : **x_coor, y_coor**
 - Words without spaces, but first letter of each word must be capitalize, except the first word: **widthOfCircle**



Assignment 02:

- Make your program user friendly. Provide sufficient information during **entering inputs** and about the **menu**.
- Your coding should neat and clean (readable to me). Use sufficient spaces and newlines in your coding.