

ASSIGNMENT (WEEK-1)

Print the Triangle pattern

Create lower triangular, upper triangular and pyramid containing the "*" character.

#CODE

```
TrianglePatterns.py X
1 # Created by Radha Mohan
2 # Assignment: Print Triangle Patterns (Lower, Upper, Pyramid)
3 # Date: 6 June 2025
4
5 def lower_triangle(n):
6     print("Lower Triangular Pattern:")
7     for i in range(1, n + 1):
8         print("*" * i)
9     print()
10
11
12
13 def upper_triangle(n):
14     print("Upper Triangular Pattern:")
15     for i in range(n, 0, -1):
16         print("*" * i)
17     print()
18
19
20 def pyramid(n):
21     print("Pyramid Pattern:")
22     for i in range(1, n + 1):
23         spaces = ' ' * (n - i)
24         stars = '*' * i
25         print(spaces + stars)
26     print()
27
28
29 if __name__ == "__main__":
30
31     rows = int(input("Enter number of rows: "))
32
33
34     lower_triangle(rows)
35     upper_triangle(rows)
36     pyramid(rows)
37
```

#OUTPUT

```
Enter number of rows: 5
Lower Triangular Pattern:
*
* *
* * *
* * * *
* * * * *

Upper Triangular Pattern:
* * * * *
* * * *
* * *
* *
*

Pyramid Pattern:
      *
     * *
    * * *
   * * * *
  * * * * *
```