

Ex.No: 3d	TRIANGLE PYRAMID
Date:	

AIM:

To write a python program to display the triangle pyramid.

ALGORITHM:

1. Start the program.
2. Give the number of terms as user input using `int(input())` and store it in a variable.
3. Loop from 1 to the number of rows using for loop.
4. Loop from 1 to the first loop interior value using another nested for loop.
5. Inside the inner for loop print the space character.
6. Loop from parent loop iterator value to the number of rows using another for loop(inner for loop).
7. Print the iterator value of the inner for loop.
8. Print the newline character after the end of the inner for loop.
9. Stop the program.

Program:

```
def triangle(n):
    k = n - 1
    for i in range(0, n):
        for j in range(0, k):
            print(end=" ")
        k = k - 1

        # inner loop to handle number of
        # columns # values changing acc. to
        # outer loop for j in range(0, i+1):

        # printing stars
        print("* ", end="")

    # ending line after each row
    print("\r")
```

OUTPUT:

```
n = 5
triangle(n)
*
* *
* * *
* * * *
* * * * *
```

RESULT:

Thus the python program to display the triangle pyramid is executed.