

Practical No:07

Write a python program for printing following shape

Nested for loop in python

Python allows us to nest any number of for loops inside a for loop. The inner loop is executed n number of times for every iteration of the outer loop. The syntax of the nested for loop in python is given below.

1. for iterating_var1 in sequence:
2. for iterating_var2 in sequence:
3. #block of statements
4. #Other statements

Program:

shape.py - C:/Users/DELL/AppData/Local/Programs/Python/Python38/shape.py (3.8.1)

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```
for row in range(7):
    for col in range(7):
        if row+col==3 or col-row==3 or row-col==3 or col+row==9:
            print('#',end='')
        else:
            print(" ",end=" ")
    print()
```

Output:

```
== RESTART: C:/Users/DELL/AppData/Local.  
#  
# #  
# #  
# #  
# #  
# #  
#
```



Result: We have successfully studied use of nested looping by different patterns.