

Assignment 02

1. Create the below pattern using nested for loop in Python.

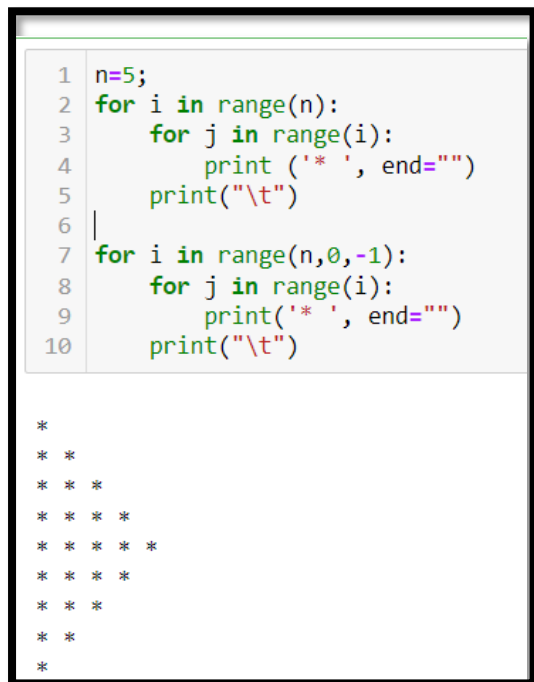
```
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```

Code:

```
n=5;
for i in range(n):
    for j in range(i):
        print ('* ', end="")
    print("\t")

for i in range(n,0,-1):
    for j in range(i):
        print ('* ', end="")
    print("\t")
```

Output:



```
1 n=5;
2 for i in range(n):
3     for j in range(i):
4         print ('* ', end="")
5     print("\t")
6
7 for i in range(n,0,-1):
8     for j in range(i):
9         print ('* ', end="")
10    print("\t")
```

```
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```

2. Write a Python program to reverse a word after accepting the input from the user.

Input word: ineuron

Output: norueni

Code:

```
a = input("Please enter your own String : ")
b = ''
for i in a:
    b = i + b
print("\nThe Original String is: ", a)
print("The Reversed String is: ", b)
```

Output:

```
1 a = input("Please enter your own String : ")
2 b = ''
3 for i in a:
4     b = i + b
5 print("\nThe Original String is: ", a)
6 print("The Reversed String is: ", b)
```

Please enter your own String : ineuron

The Original String is: ineuron

The Reversed String is: norueni