# Assignment 2

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

```
*
* *
* * *
* * * *
* * * * *
* * * *
* * *
* *
*
```

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In [1]: 
```python
rows = int(input("Enter max star to be display on single line "))
for i in range(0, rows):
    for j in range(0, i + 1):
        print("*", end=' ')
    print("\r")

for i in range(rows, 0, -1):
    for j in range(0, i - 1):
        print("*", end=' ')
    print("\r")
```

```
Enter max star to be display on single line 5
*
* *
* * *
* * * *
* * * * *
* * * *
* * *
* *
*
```

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

**Sample Output:**

Input word: ineuron

Output: norueni

```
In [4]: a = input("Enter the string ")
        a[::-1]

        Enter the string ineuron

Out[4]: 'norueni'

In [ ]:
```