Assignment- 2

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

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

Code:
```
n=5;
for i in range(n):
    for j in range(i):
        print ("* ", end="")
    print("\n")

for i in range(n,0,-1):
    for j in range(i):
        print("* ", end="")
    print("\n")
```
Output:

```
*

* *

* * *

* * * *

* * * * *

* * * *

* * *

* *

*
```

2. Write a Python program to reverse a word after accepting the input from the user.
Input word: ineuron
Output: norueni

Code:
```
a=input("Enter required text:")
str = ''
for i in a:
    str = i + str
print("\nInput word: ", a)
print("Output: ", str)
```

Output:

```
Enter required text:sai teja

Input word:  sai teja
Output:  ajet ias
```