

Assignment 2:

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

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

```
In [51]: i = 1
while(i <= 4):
    j=1
    while(j <= i):
        print('*', end = ' ')
        j += 1
    print('\n');
    i += 1

while(i >= 1):
    j = 1
    while(j <= i):
        print('*', end = ' ')
        j += 1
    print('\n')
    i -= 1
```

```
*

* *

* * *

* * * *

* * * * *

* * * *
* * * *

* * *

* *

*
```

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

```
In [7]: word = input("Enter a word : ")  
print(word[::-1])
```

```
Enter a word : Hello  
olleH
```