Do the following exercises using Jupyter Notebook and submit its pdf onto Bootcamp Python workshop (google class room)

In [3]:
```python
rows=int(input('enter the number: '))
for i in range(0, rows):
    for j in range(0, i + 1):
        print("*", end=' ')

    print("\r")
```

```
enter the number: 4
*
* *
* * *
* * * *
```

In [9]:
```python
n=int(input("enter n:"))
for i in range(1,n+1):
    for j in range(i):
        print(i+j,end=" ")
    print("")
```

```
enter n:5
1
2 3
3 4 5
4 5 6 7
5 6 7 8 9
```

In [10]:
```python
n=int(input("enter n:"))
for i in range(n):
    for j in range(i+1):
        print(n-i+j,end=" ")
    print("")
```

```
enter n:5
5
4 5
3 4 5
2 3 4 5
1 2 3 4 5
```

In [11]:
```python
n=int(input("enter n:"))
for i in range(n):
    for j in range(n-i):
        print(n-j-i,end=" ")
    print("")
```

```
enter n:5
5 4 3 2 1
4 3 2 1
3 2 1
2 1
1
```

```
In [12]:  ► n=int(input("enter n:"))
          for i in range(n):
              for j in range(i+1,n+1):
                  print(j,end=" ")
              print(" ")

          for i in range(n):
              for j in range(i+1):
                  if(i!=0):
                      print(n-i+j,end=" ")
              if(i!=0):
                  print(" ")
```

```
enter n:4
1 2 3 4
2 3 4
3 4
4
3 4
2 3 4
1 2 3 4
```

Find the length of a string without using len functions

```
In [5]:  ► string=str(input("Enter string:"))
         count=0
         for i in string:
             count=count+1
         print("Length of the string is:")
         print(count)
```

```
Enter string:pranava
Length of the string is:
7
```

Find the no of words and characters in a string

```
In [6]:  ► word_count = 0
         char_count = 0
         usr_input = input("Enter a string : ")
         split_string = usr_input.split()
         word_count = len(split_string)
         for word in split_string:
             char_count += len(word)
         print("Total words : {}".format(word_count))
         print("Total characters : {}".format(char_count))
```

```
Enter a string : pranav l m
Total words : 3
Total characters : 8
```

Find the no of occurrences of a word in a string

```
In [8]:  ▶  string=str(input("Enter string:"))
            word=str(input("Enter word:"))
            a=[]
            count=0
            a=string.split(" ")
            for i in range(0,len(a)):
                if(word==a[i]):
                    count=count+1
            print("Count of the word is:")
            print(count)
```

```
Enter string:pranav is a is a
Enter word:is
Count of the word is:
2
```

```
string=str(input("Enter string:"))
word=str(input("Enter word:"))
a=[]
count=0
a=string.split(" ")
for i in range(0,len(a)):
    if(word==a[i]):
        count=count+1
print("Count of the word is:")
print(count)
```