To Day Agenda

- Execution of Commands in Python Shell
- Data Types
    - int
    - float
    - bool
    - complex
    - str
- I/P And O/P
- Program Execution in idle
- Program Execution in Command prompt
- Git Hub Account Creation

In [ ]:
```python
a=10
b=20
print(a+b)
print(a-b)
print(a*b)
print(a/b#floating
print(a//b)#integer
print(a**b)
print(a%b)
```

In [ ]:
```python
a=10
b=20
print(a+b)
print(a-b)
print(a*b)
print(a/b)
print(a//b)#floating
print(a**b)#integer
print(a%b)
```

In [ ]:

In [ ]:
```python
# Logic operators

print(False and False)
print(False and True)
print(True and False)
print(True and True)
```

In [ ]:
```python
# Logic operators

print(False or False)
print(False or True)
print(True or False)
print(True or True)
```

In [ ]:
```python
# not with or


print(not(False or False))
print(not(False or True))
print(not(True or False))
print(not(True or True))
```

In [ ]:
```python
print(10>9 and 5<4)
print(10==10 and 9!=9)
print(9!=5 or 5==5)
print(not(100>99 and 50<20))
```

In [ ]:
```python
# Assignment Operator

a=5
a+=5
a-=6
a*=4
a/=8
a
```

In [ ]:
```python
# Bit wise Operator

2&2

10&5

11 | 6

20^10

ord('A')

ord('a')

chr(97)
```

In [ ]:
```python
# Membership in, not in
s="Welcome to python workshop"

'to' in s

'too' in s

'workz' not in s
```

In [ ]:
```python
# identity Operator is is not,==,!=

n='hello'

m='hello'

n is not m
```

In [ ]:
```python
#Conditional Statements
if elif else

#syntax
if(condition):
    statements
elif(condition):
    statements
else:
    statements
```

In [ ]:
```python
# Conditional Statements
if elif else

#syntax
if(condition):
    statements
elif(condition):
    statements
else:
    statements
```

In [1]:
```python
n=int(input('enter the number:-'))
if n%2==0:

    print(n,'Even Number')
else:
    print(n,'Odd Number')
```

```
enter the number:-2
2 Even Number
```

```python
# Iteration
# For,While
# sytax

# for variable in range(inclusive,exclusive,step)
        print(Variablename)
```

In [2]:
```python
for temp in range(10):
    print(temp)
```

```
0
1
2
3
4
5
6
7
8
9
```

In [3]:
```python
for i in range(1,100+1):
    print(i)
```

1
2
3
4
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91
92
93
94
95
96
97
98
99
100
```

In [4]:
```python
for i in range(1,100+1):
    print(i,end=" ")
```

```
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 3
0 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56
57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 8
3 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
```

In [5]:
```python
for i in range(1,100+1):
    print(i,end="-->")
```

1-->2-->3-->4-->5-->6-->7-->8-->9-->10-->11-->12-->13-->14-->15-->16-->17-->18-
->19-->20-->21-->22-->23-->24-->25-->26-->27-->28-->29-->30-->31-->32-->33-->34
-->35-->36-->37-->38-->39-->40-->41-->42-->43-->44-->45-->46-->47-->48-->49-->5
0-->51-->52-->53-->54-->55-->56-->57-->58-->59-->60-->61-->62-->63-->64-->65-->
66-->67-->68-->69-->70-->71-->72-->73-->74-->75-->76-->77-->78-->79-->80-->81--
>82-->83-->84-->85-->86-->87-->88-->89-->90-->91-->92-->93-->94-->95-->96-->97-
->98-->99-->100-->

In [6]:
```python
for rev in range(100,0,-1):
    print(rev,end=" ")
```

100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75
74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 4
8 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22
21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

In [7]:
```python
for even in range(0,50+1,2):
    print(even,end=" ")
```

0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50

In [10]:
```python
num=int(input('Enter Table:-'))
for i in range(1,10+1):
    print(num,'*',i,'=',num*i)
```

Enter Table:-2
2 * 1 = 2
2 * 2 = 4
2 * 3 = 6
2 * 4 = 8
2 * 5 = 10
2 * 6 = 12
2 * 7 = 14
2 * 8 = 16
2 * 9 = 18
2 * 10 = 20

In [13]:
```python
# While loop we can execute a set of
# statements condition is true.

# while condition:
    #statements
```

In [ ]:

In [ ]:

In [ ]: