

In [4]:

```
1 # Write/Create File Using 'w'
2 file = open("one.txt",'w')
3 file.write(input("Enter Somthing: "))
4 file.close()#saved data to file & terminate the connection b/w text file & python
```

Enter Somthing: hello

In [9]:

```
1 #Read Mode (r)
2 temp = open('one.txt','r')
3 print(temp)
4 data = temp.read()
5 print(data)
6 temp.close()
```

```
<_io.TextIOWrapper name='one.txt' mode='r' encoding='cp1252'>
hello
```

In [10]:

```
1 # Read Mode Example-2
2 n = int(input("Enter How many Characters U want?"))
3 t = open(input("Enter File Name: "))
4 print(t.read(n))
5 t.close()
```

Enter How many Characters U want?3  
Enter File Name: one.txt  
hel

In [3]:

```
1 n = int(input("Enter How many Characters U want?"))
2 t = open(input("Enter File Name: "))
3 print(t.read(n))
```

Enter How many Characters U want?20  
Enter File Name: one.txt  
hello  
smmsoksdofmo

In [4]:

```
1 t.close()
```

In [5]:

```
1 # Append Mode (a)
2 app = open('one.txt','a')
3 app.write("\n"+input("Enter Append Data:- "))
4 app.close()
```

Enter Append Data:- I am append data

In [6]:

```
1 # readlines()
2 a = open('one.txt','r')
3 print(a.readlines())#readlines() returns list
4 a.close()
```

```
['hello\n', 'smmsoksdofmoI am append data']
```

In [8]:

```
1 # readlines()
2 a = open('one.txt','r')
3 print(a.readlines(int(input("Enter Length: "))))#readlines() returns list
4 a.close()
```

```
Enter Length: 4
```

```
['hello\n']
```

In [15]:

```
1 # readline()
2 a = open('one.txt','r')
3 print(a.readline(40))#readline() returns string
4 a.close()
```

```
hello
```

In [17]:

```
1 # writelines()
2 b = open("apssdc.txt",'w')
3 b.writelines(['ravi','narayana']) # writelines accepts I/P in the format of list
4 b.close()
```

In [18]:

```
1 # read --> read(),readlines(), readline()
2 # write--> write(), writelines()
```

In [19]:

```
1 # list comprehension
2 # store numbers b/w 1 to 100 in list
3 # Assign not working
4 # ':' not working,
5 # not possible to store values in other variables
6 numbers = [temp for temp in range(1,100+1)]
```

In [20]:

```
1 print(numbers)
```

```
[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, 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, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97,
98, 99, 100]
```

In [24]:

```
1 # store Even Numbers b/w 2 dynamic integers using List comprehension
2 even_numbers = [i for i in range(int(input("Enter A:")),int(input("Enter B:")),2)]
```

Enter A:2

Enter B:200

In [25]:

```
1 print(even_numbers)
```

```
[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, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78,
80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 1
14, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 14
4, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 17
4, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198]
```

In [26]:

```
1 #Ex-2
2 Even1= [t for t in range(int(input("A:")),int(input('B:')) if t%2==0]
```

A:200

B:310

In [27]:

```
1 print(Even1)
```

```
[200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228,
230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 2
60, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 29
0, 292, 294, 296, 298, 300, 302, 304, 306, 308]
```

In [28]:

```
1 # Ex-3
2 data = [char for char in input("Enter Something: ")]
```

Enter Something: python programming

In [29]:

```
1 print(data)
```

```
['p', 'y', 't', 'h', 'o', 'n', ' ', 'p', 'r', 'o', 'g', 'r', 'a', 'm', 'm',  
'i', 'n', 'g']
```

In [36]:

```
1 numbers=[1,3,5,1,7,2,8,315,1,96,8]  
2 # ['odd','odd','odd','even']  
3 t = ["even" if j%2==0 else "Odd" for j in numbers]
```

In [34]:

```
1 print(t)
```

```
['Odd', 'Odd', 'Odd', 'Odd', 'Odd', 'even', 'even', 'Odd', 'Odd', 'even', 'e  
ven']
```

In [ ]:

```
1
```