

File Handling ...

in computer/ smart phones all the bytes are stored in containers,

which can be accessed any point of time whenever we need them

and yes we can store multiple containers together in a bundles.

now what are they ??

1. Containers are files ?
2. Bundles are Folders ?

what all things we can do with File Handling ?

1. read
2. write
3. create new file
4. modify the file

Now lets go ahead and learn how to handle files in Python

```
In [4]: # Create a file ?

file = open("fantasticFive.txt","w")

file.close()

#VaribaleName = open(FileName,Mode)
```

```
In [5]: # Write data to File

file = open("fantasticFive.txt","w")

file.write("HI Guys we are writing inside a file")

file.close()
```

```
In [20]: # Reading a file from the Computer

file = open("fantasticFive.txt","r")
someText = file.read()
print(someText)
#file.write("OYEEE") this will give error
file.close()
```

OYEEE

rafda

hey guys i hope u are not sleeping right now !!

```
In [10]: # Add some lines to the File

file = open("fantasticFive.txt","a")

file.write("\n\nThis is some more data!!")

file.close()
```

```
In [12]: # r+ mode, reading and writing both

file = open("fantasticFive.txt","r+")
print(file.read())
file.write("\n\nThanks guys for trusting me ")
file.close()
```

HI Guys we are writing inside a file

This is some more data!!

```
In [13]: # Reading a file from the Computer

file = open("fantasticFive.txt","r")
someText = file.read()
print(someText)
#file.write("OYEEE") this will give error
file.close()
```

HI Guys we are writing inside a file

This is some more data!!

Thanks guys for trusting me

```
In [14]: # Reading a file from the Computer

file = open("fantasticFive.txt","w")
file.write("OYEEE") #this will give error
file.close()
```

With function in File Handling

```
In [19]: with open("fantasticFive.txt","a") as file:
    someInput = input("Hey guys lets enter something here")
    file.write("\n\n"+someInput)
```

Hey guys lets enter something herehey guys i hope u are not sleeping right now
!!

Methods ??

Functions which are by default in Python and Functions which are inside objects are known as methods

and we have already seen together List and its methods

Functions ??

Functions are the reusable coding block, which are user defined for making sure the code repeatability is encountered and reduced

```
In [24]: lst = [1,2,4,5,6]
          # Methods
          lst.index(5)
```

Out[24]: 3

- How to write functions ?
- what all things we can do with functions?

```
In [25]: print(" HI", "Deepak")
          print(" HI", "Akash")
          print(" HI", "Krishnaveni")
          print(" HI", "Gayatri")
          print(" HI", "Bharat")
          print(" HI", "Carla")
```

```
HI Deepak
HI Akash
HI Krishnaveni
HI Gayatri
HI Bharat
HI Carla
```

```
In [79]: #Defining a code block inside function in Python
```

```
def someFunctionName(argument):
    print("-----")
    print("Hi", argument)
    print("-----")
```

```
In [80]: someFunctionName("Deepak")
```

```
-----
Hi Deepak
-----
```

```
In [29]: lst = ["deepak","carla","het", " muneer", " vivek"]
```

```
In [32]: for item in lst:
         someFunctionName(item)
```

```
-----
Hi deepak
-----
```

```
-----
Hi carla
-----
```

```
-----
Hi het
-----
```

```
-----
Hi muneer
-----
```

```
-----
Hi vivek
-----
```

```
In [34]: # Where we use Return Keyword ???
```

```
# when ever you want to process some kind of data in function
# and return that final value from your function that time
# we use Return keyword
```

```
In [42]: # function to return if my number is odd or even
```

```
def oddEvenFun(num):
    if num%2 == 0 :
        text = str(num) + " is Even"
        return text
    else:
        text = str(num) + " is Odd"
        return text
```

```
In [45]: for item in range(1,10):
         print(oddEvenFun(item))
```

```
1 is Odd
2 is Even
3 is Odd
4 is Even
5 is Odd
6 is Even
7 is Odd
8 is Even
9 is Odd
```

```
In [71]: # args*
```

```
# kwargs**
```

```
In [72]: def greeting(*name):
         for i in name:
             print("Hi ",i)
```

```
In [73]: greeting("saikiran")
```

```
Hi saikiran
```

```
In [74]: ##Kwargs ?
```

```
In [75]: def amigo(**kwargs):  
    for key,value in kwargs.items():  
        print(key," ", value)  
    print(" ")  
    print(" ")  
    print(kwargs.get("location"))
```

```
In [76]: amigo(name = "Saikiran", age="65", location = "Navi Mumbai")
```

```
name    Saikiran  
age     65  
location Navi Mumbai
```

```
Navi Mumbai
```

```
In [85]: def printingPaper(*papers):  
    for paper in papers:  
        print(paper)
```

```
In [90]: printingPaper("a41","a46","a49")
```

```
a41  
a46  
a49
```

```
In [ ]:
```