

In []:



```
1 # file handling
2 -a file is a named location to store relative information.python supports file handling
3 to handles files i.e.,to read and write files
4 -a file is collection of data
5 -compared to other programming languages handling the file is very easy in python.
6
7 ### steps in file handling
8 -open a file.
9 -doing the opearation.
10 -close a file.
11
12 #### open function
13 -we use open function in python to open a file in read or write mode.
14 -open()will return a file object.
15 -open function will accepts two arguments i.e.,file name and the mode.
16
17     syntax:open(filename,mode)
18
19 #### There are kinds of modes to open a file
20 -'r' for reading
21 -'w' for writing
22 -'s' for appending
23 -r+'for both reading and writing.
24 -Note :-by default the file will be be opened in 'r' mode.
```

In [7]:



```
1 f=open('datafile/data.txt','r')
2 fh=f.read()
3 print(fh)
```

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In [8]:



```
1 f = open('datafile/data.txt')
2 fh = f.read()
3 print(fh)
```

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In [12]:



```
1 with open('datafile/data.txt','r')as f:
2     fh = f.read()
3     print(fh)
4     f.close()
```

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In [20]:



```
1 f= open('datafile/data.txt','r')
2 fh = f.read(5)
3 print(fh)
```

pytho

In [21]:



```
1 f= open('datafile/data.txt','r')
2 fh = f.read(20)
3 print(fh)
```

python programming

In [22]:



```
1 f= open('datafile/data.txt','w')
2 fh = f.write('python programming \n')
3 print(fh)
```

20

In [24]:



```
1 f= open('datafile/data.txt','a')
2 fh = f.write(' summer online python programming \n')
```

In [25]:



```
1 # readlines function
2 f= open('datafile/data.txt','r')
3 fh = f.readlines()
4 print(fh)
```

['python programming \n', ' summer online python programming \n', ' summer o
nline python programming \n']

In [44]:



```
1 f = open('datafile/data2.txt','rt')
2 fh= f.read()
3 words = fh.split()
4 print(words)
5 print('Number of words in text file :',len(words))
```

```
['python', 'programming', '12', '12.5', 'apssdc', 'located', 'at', 'vijiayaw
ada', '2008', 'summer', 'online', 'python', 'program', '123']
Number of words in text file : 14
```

In [41]:



```
1
```

total words count is : 14

In [42]:



```
1 f = open('datafile/data2.txt','rt')
2 fh= f.read()
3 words = fh.split()
4 print(words)
5 print('Number of words in text file :',len(words))
```

```
['python', 'programming', '12', '12.5', 'apssdc', 'located', 'at', 'vijiayaw
ada', '2008', 'summer', 'online', 'python', 'program', '123']
Number of words in text file : 14
```

In [*]:



```
1 f = open('data2.txt','r')
2 data = f.read()
3 l=data.split()
4 print(words)
5 char=[]
6 a=[]
7 b=[]
8 for data in l:
9     if(data.isdigit()):
10         a.append(data)
11     elif(data.isalpha()):
12         char.append(data)
13     else:
14         b.append(data)
15 print(a)
16 print(b)
17 print(char)
```

In []:



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In []:



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In []:



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