In [2]:
```
# x- this mode creates a file
#Create a File
file = open("D:\\bizschoolpython\\demo2.txt","x")
print("File Create Successfully")
file.close()
```

```
File Create Successfully
```

In [21]:
```
#Write to a file - Overwriting mode
file = open("D:\\bizschoolpython\\demo2.txt","w")
file.write("This is an overwriting mode")
file.close()
```

In [5]:
```
#Write to a file - Overwriting mode
file = open("D:\\bizschoolpython\\demo2.txt","w")
file.write("Good Morning All Hope you all enjoying the file operations")
file.close()
```

In [6]:
```
#Write to a file - append mode
file = open("D:\\bizschoolpython\\demo2.txt","a")
file.write("\n This is opened in append mode")
file.close()
```

In [9]:
```
#Read content from the file
file = open("D:\\bizschoolpython\\demo2.txt")
print(file.readline())  #first line
print(file.readline())
print(file.readline())
#print(file.read()) #entire file
#print(file.read(50)) #specified number of characters
file.close()
```

```
Good Morning All Hope you all enjoying the file operations

 This is opened in append mode
```

In [11]:
```
#Read Line
file = open("D:\\bizschoolpython\\customer.txt")
print(file.readline())
file.close()
```

```
59912|Rakesh|bengaluru
```

In [13]:
```
#Read Entire content
file = open("D:\\bizschoolpython\\customer.txt")
print(file.readline())
print("**********************")
print(file.read()) #Read the entire content of the file
file.close()
```

```
59912|Rakesh|bengaluru

**********
59913|Mahesh|mumbai
59914|Rekha|Chennai
59915|Diya|bengalru
```

In [14]:
```
#Read specified number of characters from a file
file = open("D:\\bizschoolpython\\customer.txt")
print(file.read(50))
file.close()
```

```
59912|Rakesh|bengaluru
59913|Mahesh|mumbai
59914|R
```

In [24]:
```
#Reading the content of a file line by line
file = open("D:\\bizschoolpython\\customer.txt")
for line in file:
    #print(type(line))
    print(line.strip())
file.close()
#file.read()
```

```
59912|Rakesh|bengaluru
59913|Mahesh|mumbai
59914|Rekha|Chennai
59915|Diya|bengalru
```

In [22]:
```
import os
if os.path.exists("D:\\bizschoolpython\\demo2.txt"):
    os.remove("D:\\bizschoolpython\\demo2.txt")
    print("File deleted successfully")
else:
    print("File not exist ")
```

```
File deleted successfully
```

In [35]:
```
'''
    Task to do :---
     Display only customer name as an output
     Rakesh
     Mahesh
     Rekha
     Diya
'''
#Reading the content of a file line by line
file = open("D:\\bizschoolpython\\customer.txt")
for line in file:
    print(line.split("|")[1])
file.close()
```

```
Rakesh
Mahesh
Rekha
Diya
```

In [38]:
```
greeting="Hello All How are you?"
print(type(greeting))
print(dir(greeting))
```

```
<class 'str'>
['__add__', '__class__', '__contains__', '__delattr__', '__dir__', '__doc__', '__eq__', '__format__', '__ge__', '__getattr
ibute__', '__getitem__', '__getnewargs__', '__getstate__', '__gt__', '__hash__', '__init__', '__init_subclass__', '__iter_
_', '__le__', '__len__', '__lt__', '__mod__', '__mul__', '__ne__', '__new__', '__reduce__', '__reduce_ex__', '__repr__',
'__rmod__', '__rmul__', '__setattr__', '__sizeof__', '__str__', '__subclasshook__', 'capitalize', 'casefold', 'center', 'c
ount', 'encode', 'endswith', 'expandtabs', 'find', 'format', 'format_map', 'index', 'isalnum', 'isalpha', 'isascii', 'isde
cimal', 'isdigit', 'isidentifier', 'islower', 'isnumeric', 'isprintable', 'isspace', 'istitle', 'isupper', 'join', 'ljus
t', 'lower', 'lstrip', 'maketrans', 'partition', 'removeprefix', 'removesuffix', 'replace', 'rfind', 'rindex', 'rjust', 'r
partition', 'rsplit', 'rstrip', 'split', 'splitlines', 'startswith', 'strip', 'swapcase', 'title', 'translate', 'upper',
'zfill']
```

In [39]:

```
EmpId : 59912
Name :  Rakesh
Location: bengaluru
**********
EmpId : 59913
Name :  Mahesh
Location: mumbai
**********
EmpId : 59914
Name :  Rekha
Location: Chennai
**********
EmpId : 59915
Name :  Diya
Location: bengalru
**********
number of Records  0
```

In [46]:

```
#Reading the content of a file line by line
file = open("D:\\bizschoolpython\\customer.txt")
for line in file:
    #line=line.strip("\n")
    #record=line.split("|")
    record=line.strip().split("|")
    print("EmpId : ",record[0])
    print("Name : ",record[1])
    print("Location : ",record[2])
    print("**********")
file.close()
```

```
EmpId :  59912
Name :  Rakesh
Location :  bengaluru
************************
EmpId :  59913
Name :  Mahesh
Location :  mumbai
************************
EmpId :  59914
Name :  Rekha
Location :  Chennai
************************
EmpId :  59915
Name :  Diya
Location :  bengalru
************************
```

In [48]:
```
#Write a program to find the number of records in cutomer.txt file
file = open("D:\\bizschoolpython\\customer.txt")
count=0
for line in file:
    count+=1  #count=count+1
file.close()
print("No of records in customer.txt is ",count)
```

```
No of records in customer.txt is  4
```

In [57]:
```
file = open("D:\\bizschoolpython\\customer.txt")
listOfLines =list()
for line in file:
    listOfLines.append(line.strip())
file.close()
print(listOfLines)
print(len(listOfLines))
```

```
['59912|Rakesh|bengaluru', '59913|Mahesh|mumbai', '59914|Rekha|Chennai', '59915|Diya|bengalru']
4
```

In [50]:
```
print(dir(list()))
```

```
['__add__', '__class__', '__class_getitem__', '__contains__', '__delattr__', '__delitem__', '__dir__', '__doc__', '__eq_
_', '__format__', '__ge__', '__getattribute__', '__getitem__', '__getstate__', '__gt__', '__hash__', '__iadd__', '__imul_
_', '__init__', '__init_subclass__', '__iter__', '__le__', '__len__', '__lt__', '__mul__', '__ne__', '__new__', '__reduce_
_', '__reduce_ex__', '__repr__', '__reversed__', '__rmul__', '__setattr__', '__setitem__', '__sizeof__', '__str__', '__sub
classhook__', 'append', 'clear', 'copy', 'count', 'extend', 'index', 'insert', 'pop', 'remove', 'reverse', 'sort']
```

In [59]:
```
#Write a program to display all the records form the file (customer.txt)
file = open("D:\\bizschoolpython\\customer.txt")
print(file.read())
file.close()
```

```
59912|Rakesh|bengaluru
59913|Mahesh|mumbai
59914|Rekha|Chennai
59915|Diya|bengalru
```

In [70]:
```
#Write a program to write 3 transactions records to the file (transactions.txt), use the inline record format for referenc
inputData="59912|Withdraw|1000\n59912|Deposit|1000\n59913|Withdraw|15000\n"
file = open("D:\\bizschoolpython\\transaction.txt","w")
file.write(inputData)
file.close()
```

In [71]:
```
#Append the inline 3 records to the transactions.txt file
inputData="59914|Withdraw|1010\n59915|Deposit|2020\n59915|Withdraw|15000"
file = open("D:\\bizschoolpython\\transaction.txt","a")
file.write(inputData)
file.close()
```

In [75]:
```
try:
    with open("D:\\bizschoolpython\\transaction1.txt") as file:
        print(file.read())
        file.close()
except FileNotFoundError:
       print("File doesn't exist")
listOfWords=["Happy","Sad","Joyful","Bad"]
print(len(listOfWords))
```

```
File doesn't exist
4
```

In [87]:
```
print("Enter the file name to be read : ")
fileName=input()
pathOfFile="D:\\bizschoolpython\\"
fullFileNameAndPath=pathOfFile+fileName
try:
    with open(fullFileNameAndPath) as file:
        print(file.read())
        file.close()
except FileNotFoundError:
```

```
        print("File doesn't exists")
except AttributeError:
        print("Attribute error check the attribute is it a function")
print("Hello How are you ?")
```

```
Enter the file name to be read :
customer.txt
59912|Rakesh|bengaluru
59913|Mahesh|mumbai
59914|Rekha|Chennai
59915|Diya|bengalru

Hello How are you ?
```

In [ ]: