```
In [21]:  #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 [3]:  #Using with File I/O
         with open("D:\\bizschoolpython\\customer.txt") as file:
             print(file.read())
         #print(file.read())
```

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

```
---------------------------------------------------------------------------
ValueError                                Traceback (most recent call last)
Cell In[3], line 4
      2 with open("D:\\bizschoolpython\\customer.txt") as file:
      3     print(file.read())
----> 4 print(file.read())

ValueError: I/O operation on closed file.
```

```
In [18]:  #Empty list
          listOfLines =list()
          #Reading the content and storing in the list created above
          with open("D:\\bizschoolpython\\customer.txt") as file:
              for line in file:
                  listOfLines.append(line.strip())
          print(listOfLines)
          #Delete or removing the item from a list
          if('59913|Mahesh|mumbai' in listOfLines):
              listOfLines.remove('59913|Mahesh|mumbai')
          else:
              print("Data not found")
          #Writing into new file
          with open("D:\\bizschoolpython\\newcustomer.txt","w") as file:
```

```
        for item in listOfLines:
            file.write(item+"\n")
```

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

In [28]:
```
with open("D:\\bizschoolpython\\customer.txt")as file:
  print(file.read(6))
  print(file.read(7))
  print(file.read(8))
  print(file.tell())
  print(file.seek(0))
  print("*************")
  print(file.read())
```

```
59912|
Rakesh|
bengalur
21
0
*************
59912|Rakesh|bengaluru
59913|Mahesh|mumbai
59914|Rekha|Chennai
59915|Diya|bengalru
```

In [29]:
```
a=10
b=15
c=0
add=a+b
div=b/c
sub=a+b+c
print(add)
print(div)
print(sub)
```

```
---------------------------------------------------------------------------
ZeroDivisionError                                 Traceback (most recent call last)
Cell In[29], line 5
      3 c=0
      4 add=a+b
----> 5 div=b/c
      6 sub=a+b+c
      7 print(add)

ZeroDivisionError: division by zero
```

In [31]:
```python
a=10
b=15
c=0
add=0
div=0
sub=0
try:
    add=a+b
    div=b/c
    sub=a-b-c
except ZeroDivisionError as e:
    print(e)

print(add)
print(div)
print(sub)
```

```
division by zero
25
0
0
```

In [38]:
```python
num1=0
num2=0
try:
 print("Enter the first number : ")
 num1 = int(input())
 print("Enter the second number : ")
 num2 = int(input())
except ValueError as ve:
    print(ve)
add = num1+num2
print(add)
```

```
Enter the first number :
abc
invalid literal for int() with base 10: 'abc'
0
```

In [40]:
```python
try:
    file = open("D:\\bizschoolpython\\customer1111.txt")
    print(file.read())
except FileNotFoundError as fnfe:
    print(fnfe)
print("File read operation done . Thank God")
```

```
[Errno 2] No such file or directory: 'D:\\bizschoolpython\\customer1111.txt'
File read operation done . Thank God
```

In [43]:
```python
try:
    file = open("D:\\bizschoolpython\\customer.txt")
    print(file.read())
except FileNotFoundError as fnfe:
    print(fnfe)
finally:
    print("Finally is executing")
    file.close()
print("File read operation done . Thank God")
```

```
59912|Rakesh|bengaluru
59913|Mahesh|mumbai
59914|Rekha|Chennai
59915|Diya|bengalru
Finally is executing
File read operation done . Thank God
```

In [51]:
```python
num1=0
try:
 print("Enter a positive number : ")
 num1 = int(input())
 if num1<=0:
    raise ValueError("Number entered is not a positive number")
 else:
    print('Its a positive number')
    raise Exception("Got exception --- number is positive just testing it ")
except ValueError as ve:
    print(ve)
except Exception as e:
    print("*******Stack Trace******")
    print(e)
```

```
print(num1)
```

```
Enter a positive number :
15
Its a positive number
*******Stack Trace******
Got exception --- number is positive just testing it
15
```

In [ ]: