Exercise 1 :

`*********************************************************************`

```python
# opening a file in reading mode
myfile = 
open("C:/Users/zaheeruddin/Documents/MUDC_ACADEMIC_DOCUMENTS/SEP2021_JAN2022/
CSE4309_SEP2021/test.txt", 'r')

for tx in myfile:

    print(tx)
```

`*********************************************************************`

Exercise 2 :

`*********************************************************************`

```python
# opening text file for reading using read method
myfile1 = 
open("C:/Users/zaheeruddin/Documents/MUDC_ACADEMIC_DOCUMENTS/SEP2021_JAN2022/
CSE4309_SEP2021/test.txt", 'r')

print(myfile1.read())
```

`************************************`

Exercise 3 :

```python
# opening text file for writing using write method
myfile2 = 
open("C:/Users/zaheeruddin/Documents/MUDC_ACADEMIC_DOCUMENTS/SEP2021_JAN2022/
CSE4309_SEP2021/test.txt", 'w')

myfile2.write ("this is to write in file second time")

myfile2.close()

myfile2 = 
open("C:/Users/zaheeruddin/Documents/MUDC_ACADEMIC_DOCUMENTS/SEP2021_JAN2022/
CSE4309_SEP2021/test.txt", 'r')

print(myfile2.read())
```

Exercise 4 :

```
************************************************************
```

```python
# opening text file for appending using write method
myfile3 =
open("C:/Users/zaheeruddin/Documents/MUDC_ACADEMIC_DOCUMENTS/SEP2021_JAN2022/
CSE4309_SEP2021/test.txt", 'a')

myfile3.write ("   this is to append")

myfile3.close()

myfile3 =
open("C:/Users/zaheeruddin/Documents/MUDC_ACADEMIC_DOCUMENTS/SEP2021_JAN2022/
CSE4309_SEP2021/test.txt", 'r')

print(myfile3.read())
```

Exercise 5 :

```
********************************************************************************
```

```python
# file handling with "with" option
with
open("C:/Users/zaheeruddin/Documents/MUDC_ACADEMIC_DOCUMENTS/SEP2021_JAN2022/
CSE4309_SEP2021/test.txt", 'r') as file:

    txt = file.read()

    print(txt)
```

Exercise 6 :

```
********************************************************************************
```

```python
# file handling with option using write
with
open("C:/Users/zaheeruddin/Documents/MUDC_ACADEMIC_DOCUMENTS/SEP2021_JAN2022/
CSE4309_SEP2021/test.txt", 'w') as file1:

     file1.write("its working")

# read file to check if its working
```

Exercise 7 :

****

reading csv file in python

```python
import csv

csvfile =
open("C:/Users/zaheeruddin/Documents/MUDC_ACADEMIC_DOCUMENTS/SEP2021_JAN2022/
CSE4309_SEP2021/test.csv",'r', newline="")

obj=csv.reader(csvfile)

for row in obj:

    print(row)

    print(type(row))
```

Exercise 8 :

****

Writing content in csv file in python

```python
import csv

stud =[('aaa',12,23),('bbb',23,45),('ccc',34,45)]

csvfile=open('C:/Users/zaheeruddin/Documents/MUDC_ACADEMIC_DOCUMENTS/SEP2021_JA
N2022/CSE4309_SEP2021/test.csv','w', newline='')

obj=csv.writer(csvfile)

for s in stud:

    obj.writerow(s)

csvfile.close()
```

Exercise 9 :

****

Reading an excel file using Python

```python
import xlrd
file_path =
("C:/Users/zaheeruddin/Documents/MUDC_ACADEMIC_DOCUMENTS/SEP2021_JAN2022/CSE4
309_SEP2021/test.xlsx")
mybook = xlrd.open_workbook(file_path)
sheet = mybook.sheet_by_index(0)
print(sheet.cell_value(0, 0))
# display total rows
print(sheet.nrows)
# display total columns
print(sheet.ncols)
# display  row
print(sheet.row_values(1))
# display first column
for i in range(sheet.ncols):
    print(sheet.cell_value(0, i))
# display first row
for i in range(sheet.nrows):
    print(sheet.cell_value(i, 0))
```

Exercise 10:

Reading excel files from pandas

```python
import pandas as pd

data1 =
pd.read_excel('C:/Users/zaheeruddin/Documents/MUDC_ACADEMIC_DOCUMENTS/SEP2021_J
AN2022/CSE4309_SEP2021/test.xlsx')

print(data1)
```

****

Exercise 11

reading csv from panda

```
import pandas as pd

data2 =
pd.read_csv('C:/Users/zaheeruddin/Documents/MUDC_ACADEMIC_DOCUMENTS/SEP2021_JA
N2022/CSE4309_SEP2021/test.csv')

print(data2.to_string())
```

....