In [1]:

```
# read an entire text file
f = open("C:/Users/chandini/OneDrive/Desktop/module3.txt","r")
print(f.read())
```

```
x read an entire text file.
x read the first n lines of a file.
x ashok
```

In [2]:

```
#read the first n lines of a file
f = open("C:/Users/chandini/OneDrive/Desktop/module3.txt", "r")
n = int(input("Enter number of lines to be printed: "))
for a in range(n):
    print(f.readline())
```

```
Enter number of lines to be printed: 1
x read an entire text file.
```

In [6]:

```
#append text to a file and display the text
f = open("C:/Users/chandini/OneDrive/Desktop/module3.txt", "a")
f.write("Gitam university")
f.close()
f = open("C:/Users/chandini/OneDrive/Desktop/module3.txt", "r")
print(f.read())
```

```
x read an entire text file.
x read the first n lines of a file.
x ashokGitam university.Gitam universityGitam universityGitam university
```

In [7]:

```
#Read numbers from a file and write even and odd numbers to separate files
f = open("C:/Users/chandini/OneDrive/Desktop/evenodd.txt", "r")
string = f.read()
x = string.split()
even = []
odd = []
for i in range(0, len(x)):
    x[i] = int(x[i])
for a in x:
    if a%2 == 0:
        b = str(a)
        f = open("C:/Users/chandini/OneDrive/Desktop/even.txt", "a")
        f.write(b)
        f.write(" ")
        f.close()
    else:
        b = str(a)
        f = open("C:/Users/chandini/OneDrive/Desktop/odd.txt", "a")
        f.write(b)
        f.write(" ")
        f.close()

f = open("C:/Users/chandini/OneDrive/Desktop/even.txt", "r")
print(f.read())
f = open("C:/Users/chandini/OneDrive/Desktop/odd.txt", "r")
print(f.read())
```

```
2 4 6 8 10 2 4 6 8 10 12 14 16 18 20
1 3 5 7 9 1 3 5 7 9 11 13 15 17 19
```

In [8]:

```
#Count characters, words and lines in a text file.
f = open("C:/Users/chandini/OneDrive/Desktop/module3.txt", "r")
lines_count = 0
for line in f:
    lines_count = lines_count + 1

character = 0
f = open('C:/Users/chandini/OneDrive/Desktop/module3.txt', 'r')
lines = f.readlines()
mystr = '\t'.join([line.strip() for line in lines])
for x in mystr:
    character = character + 1

word_count = str.split(mystr)

print("The file contains",lines_count,"lines,",character,"characters and",len(word_count),"
```

```
The file contains 3 lines, 136 characters and 21 words.
```

In [9]:

```
#To write a list to a file
sample = ["Ashok","VU21CSEN0100501","CSE-CORE"]
f = open("C:/Users/chandini/OneDrive/Desktop/list to file.txt","w")
for word in sample:
    f = open("C:/Users/chandini/OneDrive/Desktop/list to file.txt","a")
    f.write(word)
    f.write(" ")
    f.close()
f = open("C:/Users/chandini/OneDrive/Desktop/list to file.txt", "r")
print(f.read())
```

```
Ashok VU21CSEN0100501 CSE-CORE
```

In [10]:

```
import pandas as pd
req = int(input("Enter required Age:"))
record = {

 'Name': ['sita', 'munna', 'abhi', 'bapi', 'manoj', 'prasanth' ],
 'Age': [21, 19, 20, 18, 17, 21]}

dataframe = pd.DataFrame(record, columns = ['Name', 'Age'])
rslt_df = dataframe[dataframe['Age'] >= req]

print(rslt_df)
```

```
Enter required Age:18
       Name  Age
0      sita   21
1     munna   19
2      abhi   20
3      bapi   18
5  prasanth   21
```

In [11]:

```
import pandas as pd
record = {
 'Name': ['sita', 'munna', 'abhi', 'bapi', 'manoj', 'prasanth'],
 'Occupation': ['Polic', 'Lawyer','Doctor', 'Software engineer', 'Teacher', 'Youtuber'],
 'Salary': [50000,120000,40000,84000,30000,50000],}

dataframe = pd.DataFrame(record, columns = ['Name', 'Occupation', 'Salary'])
rslt_df = dataframe['Salary']
mean = dataframe["Salary"].mean()
print("The average salary is",mean)
```

```
The average salary is 62333.333333333336
```

In [12]:

```
import json
x = {"name": "Ashok","age": 18 ,"city": "Guntur"}
y = json.dumps(x)
print(y)
```

```
{"name": "Ashok", "age": 18, "city": "Guntur"}
```

In [13]:

```
import pandas as pd
columns = [1]

df = pd.read_csv("C:/Users/chandini/Downloads/idk.csv",usecols  = columns)
print(df)
```

```
      Name
0    Ashok
1      Raj
2   Aditya
3   Vishnu
4      Ram
5  Praveen
6    Jyoti
7    Kiran
8     Maya
9   Sheela
10   Lilly
11  Jairam
12 Prakash
13  Lokesh
14 Abhiram
15  Sachin
16    Sita
17  Bhagat
18 Jayanth
19 Kishore
```