In [1]:

```
#read an entire text file
f = open("C:/Users/kolla/OneDrive/Desktop/tej1.txt","r")
print(f.read())
```

```
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```

In [2]:

```
#read the first n lines of a file
f = open("C:/Users/kolla/OneDrive/Desktop/tej1.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:3
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ch Resources.

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```

In [3]:

```
#append text to a file and display the text
f = open("C:/Users/kolla/OneDrive/Desktop/tej1.txt","a")
f.write("these are module3 questions")
f.close()
f = open("C:/Users/kolla/OneDrive/Desktop/tej1.txt","r")
print(f.read())
```

```
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these are module3 questions
```

In [4]:

```
#read number from a file and write even and odd number to separate files
f = open("C:/Users/kolla/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/kolla/OneDrive/Desktop/even.txt","a")
        f.write(b)
        f.write(" ")
        f.close()
    else:
        b = str(a)
        f = open("C:/Users/kolla/OneDrive/Desktop/odd.txt","a")
        f.write(b)
        f.write(" ")
        f.close()
f = open("C:/Users/kolla/OneDrive/Desktop/even.txt","r")
print(f.read())
f = open("C:/Users/kolla/OneDrive/Desktop/odd.txt","r")
print(f.read())
```

```
2 4 6 8 2 4 6 8
1 3 5 7 9 1 3 5 7 9
```

In [5]:

```
#count characters,word and lines in a text file.
f = open("C:/Users/kolla/OneDrive/Desktop/tej1.txt","r")
lines_count = 0
for line in f:
    line_count = lines_count + 1
character = 0
f =  open("C:/Users/kolla/OneDrive/Desktop/tej1.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 0 lines 496 characters and 69
```

In [6]:

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

 'Name': ['amruth','tej','ashok','varsh'],
 'Age': [21,34,25,27]}

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

print(rslt_df)
```

```
enter required age:17
     Name  Age
0  amruth   21
1     tej   34
2   ashok   25
3   varsh   27
```

In [8]:

```
import pandas as pd
record = {
 'Name': ['amruth','tej','ashok','varsh'],
 'Occupation': ['teacher','police','lawyer','doctor'],
 'Salary': [32434,43554,4532,43543],}

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 31015.75
```

In [7]:

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

```
{"name": "tej", "age": 18, "city": "vizag"}
```