In [1]:
```
##read an entire text file
f=open("D:\\my favourite.txt","r")
print(f.read())
```

```
ï»¿I am fan of BTS and BLACKPINK.
I like to watch K and C dramas.
I love to hear kpop songs.
My bias in BTS is V and in BLACKPINK it is JISOO.
```

In [2]:
```
##read the first n lines of a file.
f=open("D:\\my favourite.txt","r")
print(f.readline())
```

```
ï»¿I am fan of BTS and BLACKPINK.
```

In [3]:
```
##append text to a file and display the text.
f=open("D:\\my favourite.txt","a")
f.write("I love to go to Korea")
f.close()
f=open("D:\\my favourite.txt","r")
print(f.read())
```

```
ï»¿I am fan of BTS and BLACKPINK.
I like to watch K and C dramas.
I love to hear kpop songs.
My bias in BTS is V and in BLACKPINK it is JISOO.I love to go to Korea
```

In [7]:
```
##Given a CSV file or excel file to read it into a dataframe and display it.
import pandas as pd
a=pd.read_csv("D:\\Book1.csv")
b=pd.DataFrame(a)
print(b)
```

```
    s.no.    names gender    address passport licence
0       1      sri      f      vizag      yes     yes
1       2   vaishu      f      vizag      yes     yes
2       3      anu      f   kakinada       no      no
3       4     abhi      m   kakinada       no     yes
4       5  keerthi      f    chitoor      yes      no
5       6     sonu      f    chennai      yes     yes
6       7   sonali      f     mumbai       no      no
7       8    ishqi      f     mumbai       no      no
8       9    ahaan      m     mumbai       no     yes
9      10   chetan      m  telangana      yes     yes
10     11    vijay      m  hyderabad      yes      no
11     12  karthik      m  telangana       no      no
12     13     ammu      f  hyderabad       no      no
13     14    lasya      f  hyderabad       no     yes
14     15     ravi      m   kakinada      yes      no
15     16   nikila      f      vizag       no      no
16     17   bavana      f      vizag      yes     yes
17     18      ram      m    kolkata       no      no
18     19    navya      f    chennai      yes     yes
19     20    tanvi      f     kerala      yes      no
```

In [14]:
```
##Given a dataframe, select rows based on a condition
import pandas as pd
a={
    "kpop bands": ["BTS","BLACKPINK","TXT"],
    "members": [7 ,4 ,5]
}
b=pd.DataFrame(a)
print(b.loc[[0,1]])
```

```
  kpop bands  members
0        BTS        7
1  BLACKPINK        4
```

Type *Markdown* and LaTeX: α^2

In [23]:
```
##Given is a dataframe showing the name, occupation, salary of people. Find the a
import pandas as pd
a={
    "names": ["sherya","sonu","vijay","keerthi"],
    "occ":["doctor","engineer","police","artist"],
    "salary":[90000,73000,77000,53000]
}
b=pd.DataFrame(a)
average=b.groupby('occ')['salary'].mean()
print(average)
```

```
occ
artist      53000.0
doctor      90000.0
engineer    73000.0
police      77000.0
Name: salary, dtype: float64
```

In [25]:
```
##Write a Pandas program to read specific columns from a given excel file.
import pandas as pd
a=pd.read_csv("D:\\Book1.csv")
print(a.head(3))
```

```
   s.no.   names gender   address passport licence
0      1     sri      f     vizag      yes     yes
1      2  vaishu      f     vizag      yes     yes
2      3     anu      f  kakinada       no      no
```

In [ ]:

In [ ]: