In [1]:
```
import numpy as np
```

In [2]:
```
import pandas as pd
```

In [3]:
```
df = pd.read_csv("G:/TE 6 sem/dsdba/pseudo_facebook.csv")
```

In [4]:
```
df
```

Out[4]:

	userid	age	dob_day	dob_year	dob_month	gender	tenure	friend_count	friendships_initiated	likes	likes_received	mobile_likes	mobile_likes_recei
0	2094382	14	19	1999	11	male	266.0	0	0	0	0	0	
1	1192601	14	2	1999	11	female	6.0	0	0	0	0	0	
2	2083884	14	16	1999	11	male	13.0	0	0	0	0	0	
3	1203168	14	25	1999	12	female	93.0	0	0	0	0	0	
4	1733186	14	4	1999	12	male	82.0	0	0	0	0	0	
5	1524765	14	1	1999	12	male	15.0	0	0	0	0	0	
6	1136133	13	14	2000	1	male	12.0	0	0	0	0	0	
7	1680361	13	4	2000	1	female	0.0	0	0	0	0	0	
8	1365174	13	1	2000	1	male	81.0	0	0	0	0	0	
9	1712567	13	2	2000	2	male	171.0	0	0	0	0	0	
10	1612453	13	22	2000	2	male	98.0	0	0	0	0	0	
11	2104073	13	1	2000	2	male	55.0	0	0	0	0	0	
12	1918584	13	5	2000	3	male	106.0	0	0	0	0	0	
13	1704433	13	21	2000	3	male	61.0	0	0	0	0	0	
14	1932519	13	28	2000	3	female	0.0	0	0	0	0	0	

In [5]:
```
import pandas as pd
data = {"Roll-num": [10,20,30,40,50,60,70],
        "Age":[12,14,13,12,14,13,15],
        "NAME":['John','Camili','Rheana','Joseph','Amanti','Alexa','Siri']}
block = pd.DataFrame(data)
print("Original Data frame:\n")
print(block)
```

```
Original Data frame:

   Age    NAME  Roll-num
0   12    John        10
1   14  Camili        20
2   13  Rheana        30
3   12  Joseph        40
4   14  Amanti        50
5   13   Alexa        60
6   15    Siri        70
```

In [6]:
```
block.loc[[0,1,3]]
```

Out[6]:

	Age	NAME	Roll-num
0	12	John	10
1	14	Camili	20
3	12	Joseph	40

In [7]:
```
block.loc[0:3]
```

Out[7]:

	Age	NAME	Roll-num
0	12	John	10
1	14	Camili	20
2	13	Rheana	30
3	12	Joseph	40

In [8]:
```
block.loc[0:2,['Age','NAME']]
```

Out[8]:

	Age	NAME
0	12	John
1	14	Camili
2	13	Rheana

In [9]:
```
block.iloc[[0,1,3,6],[0,2]]
```

Out[9]:

	Age	Roll-num
0	12	10
1	14	20
3	12	40
6	15	70

In [10]:
```
arr = np.array([1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12])
```

In [11]:
```
newarr = arr.reshape(4,3)
```

In [12]:
```
print(newarr)
```

```
[[ 1  2  3]
 [ 4  5  6]
 [ 7  8  9]
 [10 11 12]]
```

In [13]:
```
x=np.arange(12)
y=np.reshape(x, (4,3))
print(x)
print(y)
```

```
[ 0  1  2  3  4  5  6  7  8  9 10 11]
[[ 0  1  2]
 [ 3  4  5]
 [ 6  7  8]
 [ 9 10 11]]
```

In [14]:
```
newar1 = arr.reshape(2,3,2)
print(newar1)
```

```
[[[ 1  2]
  [ 3  4]
  [ 5  6]]

 [[ 7  8]
  [ 9 10]
  [11 12]]]
```

In [15]:
```
dff = pd.read_csv("G:/TE 6 sem/dsdba/50_Startups.csv")
```

In [16]:
```
df2 = dff[:25]
```

In [17]:
```
df3 = dff[25:]
```

In [18]:
```
df6 = pd.concat([df2,df3],axis=0)
```

In [19]:
```
df4 = dff.iloc[:,:2]
```

In [20]:
```
df5 = dff.iloc[:,2:]
```

In [21]:
```
df6 = pd.concat([df4,df5],axis=1)
```

In [22]:
```
df2 = dff.iloc[:,:3]
```

In [23]:
```
df3 = dff.iloc[:,2:]
```

In [24]:
```
df7 = df2.merge(df3, on=['Marketing Spend'],how='inner')
```

In [25]:
```
x = dff.sort_values(by = ['Marketing Spend'],ascending=True)
```

In [26]:
```
x = dff.T
```

In [27]:
```
df = pd.read_csv('abc.txt', sep=" ", names=['date', 'name', 'dollars'])
```