In [3]:
```
import pandas as pd
df=pd.read_csv('data.csv')
print(df.to_string())
```

```
   roll no        39
0     name  Harshita
1    class    1st yr
2  section         A
3   branch  CSE-AIML
```

In [11]:
```
import pandas
```

In [6]:
```
import pandas
mycars = {
  'cars': ["BMW", "Volvo", "Ford"],
  'passings': [3, 7, 2]
}
my = pandas.DataFrame(mycars)
print(my)
```

```
    cars  passings
0    BMW         3
1  Volvo         7
2   Ford         2
```

In [12]:
```
import pandas
menu={
    'veg':['paneer','manchuria','frenchfries'],
    'non veg':['fish' ,'curry','chicken']
}
r=pandas.DataFrame(menu)
print(r)
```

```
           veg  non veg
0       paneer     fish
1    manchuria    curry
2  frenchfries  chicken
```

In [14]:
```
import pandas
order=pandas.read_csv('menu.csv')
print(order.to_string())
```

```
         veg  non veg  rates
0     paneer     fish    120
1  manchuria  chicken    150
2    frankie      egg     80
```

In [10]:
```
import pandas
info={
    'name':['Harshita','Sowmya','RadhaKumari','SrinivasaRao'],
    'gender':['female','female','female','male'],
     'age':[18,25,48,53]
}
m=pandas.DataFrame(info)
filename='family_details.xlsx'
m.to_excel(filename)
print(m)
```

```
           name  gender  age
0      Harshita  female   18
1        Sowmya  female   25
2   RadhaKumari  female   48
3  SrinivasaRao    male   53
```

In [8]:
```
import pandas as pd
marks_data = pd.DataFrame({'ID': {0: 23, 1: 43, 2: 12,
                                  3: 13, 4: 67, 5: 89,
                                  6: 90, 7: 56, 8: 34},
                           'Name': {0: 'Ram', 1: 'Deep',
                                    2: 'Yash', 3: 'Aman',
                                    4: 'Arjun', 5: 'Aditya',
                                    6: 'Divya', 7: 'Chalsea',
                                    8: 'Akash' },
                           'Marks': {0: 89, 1: 97, 2: 45, 3: 78,
                                     4: 56, 5: 76, 6: 100, 7: 87,
                                     8: 81},
                           'Grade': {0: 'B', 1: 'A', 2: 'F', 3: 'C',
                                     4: 'E', 5: 'C', 6: 'A', 7: 'B',
                                     8: 'B'}})

file_name = 'MarksData.xlsx'
marks_data.to_excel(file_name)
print('DataFrame is written to Excel File successfully.')
```

```
DataFrame is written to Excel File successfully.
```

In [11]:
```
import pandas as pd
print(pd.__version__)
```

```
1.3.4
```

In [18]:
```
import pandas as pd
a = [1, 7, 2,5,8,3]
m = pd.Series(a)
print(m)
print(m[0])
k=pd.Series(a,index =["x","y","z","a","b","c"])
print(k)
print(k["a"])
```

```
0    1
1    7
2    2
3    5
4    8
5    3
dtype: int64
1
x    1
y    7
z    2
a    5
b    8
c    3
dtype: int64
5
```

In [21]:
```
import pandas as pd
info={
    'name':'Harshita',
    'gender':'female',
     'age':18
}
me=pd.Series(info)
k=pd.Series(info,index=["name","age"])
print(me)
print(k)
```

```
name      Harshita
gender      female
age             18
dtype: object
name    Harshita
age           18
dtype: object
```

In [29]:
```
import pandas as pd
info={
    'name':['Harshita','Sowmya','RadhaKumari','SrinivasaRao'],
    'gender':['female','female','female','male'],
     'age':[18,25,48,53]
}
m=pd.DataFrame(info,index=["p1","p2","p3","p4"])
print(m.loc['p3'])
print(m.loc[['p1','p2']])
```

```
name      RadhaKumari
gender         female
age                48
Name: p3, dtype: object
        name  gender  age
p1  Harshita  female   18
p2    Sowmya  female   25
```

In [30]:
```
import pandas as pd
print(pd.options.display.max_rows)
```

```
60
```

In [31]:
```
import pandas as pd
info={
    'name':['Hari','Hari'],
    'age':[18,18]
}
df=pd.DataFrame(info)
print(df)
```

```
   name  age
0  Hari   18
1  Hari   18
```

In [35]:
```
import pandas as pd
pd.options.display.max_rows = 999
df = pd.read_csv('data.csv')
print(df)
print(pd.options.display.max_rows)
```

```
   roll no        39
0     name  Harshita
1    class    1st yr
2  section         A
3   branch  CSE-AIML
999
```

In [44]:
```
import pandas as pd
df = pd.read_json('data.json')
#print(df.to_string())
print(df.head(10))
print(df.tail(10))
print(df.info())
```

```
   Duration  Pulse  Maxpulse  Calories
0        60    110       130     409.1
1        60    117       145     479.0
2        60    103       135     340.0
3        45    109       175     282.4
4        45    117       148     406.0
5        60    102       127     300.5
6        60    110       136     374.0
7        45    104       134     253.3
8        30    109       133     195.1
9        60     98       124     269.0
     Duration  Pulse  Maxpulse  Calories
159        30     80       120     240.9
160        30     85       120     250.4
161        45     90       130     260.4
162        45     95       130     270.0
163        45    100       140     280.9
164        60    105       140     290.8
165        60    110       145     300.4
166        60    115       145     310.2
167        75    120       150     320.4
168        75    125       150     330.4
<class 'pandas.core.frame.DataFrame'>
Int64Index: 169 entries, 0 to 168
Data columns (total 4 columns):
 #   Column    Non-Null Count  Dtype
---  ------    --------------  -----
 0   Duration  169 non-null    int64
 1   Pulse     169 non-null    int64
 2   Maxpulse  169 non-null    int64
 3   Calories  164 non-null    float64
dtypes: float64(1), int64(3)
memory usage: 6.6 KB
None
```

In [ ]: