In [1]:
```python
import pandas as pd
```

In [11]:
```python
import pandas as pd
dataset_1={
    'car':["BMW","FORD","FAW","Suzuki"],
    'win': [2,1,3,4]
}
report_0 = pd.DataFrame(dataset_1)
print(report_0)
```

```
      car  win
0     BMW    2
1    FORD    1
2     FAW    3
3  Suzuki    4
```

In [3]:
```python
dataset_1={
    'sub':["maths","phy","chem"],
    'marks':[70,80,90]
}
report_1= pd.DataFrame(dataset_1)
print(report_1)
```

```
     sub  marks
0  maths     70
1    phy     80
2   chem     90
```

In [4]:
```python
print(pd.__version__)
```

```
1.1.3
```

In [6]:
```python
a=[1,2,3,4,5]
report_2=pd.Series(a)
print(report_2)
```

```
0    1
1    2
2    3
3    4
4    5
dtype: int64
```

In [7]:
```python
a=[1,2,3,4,5]
report_2=pd.Series(a)
print(report_2[3])
```

```
4
```

In [8]:
```python
a=[1,2,3,4,5]
report_2=pd.Series(a, index=["math","phy","chem","bio","isl"])
print(report_2)
```

```
math    1
phy     2
chem    3
bio     4
isl     5
dtype: int64
```

In [9]:
```python
calories={ "day1":48,"day2":100,"day3":200}
report_3=pd.Series(calories)
print(report_3)
```

```
day1     48
day2    100
day3    200
dtype: int64
```

In [14]:
```python
print(report_0)
```

```
       car  win
0      BMW    2
1     FORD    1
2      FAW    3
3   Suzuki    4
```

In [16]:
```python
print(report_0.loc[0])
```

```
car    BMW
win      2
Name: 0, dtype: object
```

In [17]:
```python
print(report_0.loc[1])
```

```
car    FORD
win       1
Name: 1, dtype: object
```

In [18]:
```python
print(report_0.loc[2])
```

```
car    FAW
win      3
Name: 2, dtype: object
```

```
In [28]: report_0 = pd.DataFrame(dataset_1, index=["a","b","c","d"])
         print(report_0)
         print(report_0.loc["d"])
```

```
         car  win
a        BMW    2
b       FORD    1
c        FAW    3
d      Suzuki   4
car      Suzuki
win           4
Name: d, dtype: object
```

In [29]:

```
---------------------------------------------------------------------------
AttributeError                            Traceback (most recent call last)
<ipython-input-29-be706a2fbcd6> in <module>
----> 1 df=pd.reset_csw("data.csw")

~\anaconda3\lib\site-packages\pandas\__init__.py in __getattr__(name)
    256                return _SparseArray
    257
--> 258                raise AttributeError(f"module 'pandas' has no attribute '{name}'")
    259
    260

AttributeError: module 'pandas' has no attribute 'reset_csw'
```

```
In [33]: import pandas as pd
         dataset_5={
             'name':["arsal","ali","hamza","umar","kumail","osama","adil","huzaifa","hasar
             'math':[60,69,56,22,66,88,87,65,91,59]
             'phy': [60,69,56,22,66,88,87,65,91,59]
             'chem':[60,69,56,22,66,88,87,65,91,59]
             'bio':[60,69,56,22,66,88,87,65,91,59]
         }
         report_4 = pd.DataFrame(dataset_5)
         print(report_4)
```

```
  File "<ipython-input-33-5b9a1957473a>", line 4
    'maths':[60,69,56,22,66,88,87,65,91,59]
    ^
SyntaxError: invalid syntax
```

```
In [36]: dataset_5={
             'name':["arsal","ali","hamza","umar","kumail","osama","adil","huzaifa","hasan
             'math':[60,69,56,22,66,88,87,65,91,59],
             'phy': [60,69,56,22,66,88,87,65,91,59],
             'chem':[60,69,56,22,66,88,87,65,91,59],
             'bio':[60,69,56,22,66,88,87,65,91,59]
         }
         report_4 = pd.DataFrame(dataset_5)
         print(report_4)
```

```
        name  math  phy  chem  bio
0      arsal    60   60    60   60
1        ali    69   69    69   69
2      hamza    56   56    56   56
3       umar    22   22    22   22
4     kumail    66   66    66   66
5      osama    88   88    88   88
6       adil    87   87    87   87
7    huzaifa    65   65    65   65
8      hasan    91   91    91   91
9     nabeel    59   59    59   59
```

```
In [44]: df=pd.read_csv(r"C:\Users\student\Documents\result.csv")
         print(df)
```

```
        name  maths  phy  chem  bio
0      arsal     66   55    77   88
1    huzaifa     66   55    77   88
2       mazz     66   55    77   88
3      hamza     66   55    77   88
4     kumail     66   55    77   88
5        ali     66   55    77   88
6    arsalan     66   55    77   88
7    tauqeer     66   55    77   88
8      osama     66   55    77   88
```

```
In [47]: print(df.tail(3))
```

```
        name  maths  phy  chem  bio
6    arsalan     66   55    77   88
7    tauqeer     66   55    77   88
8      osama     66   55    77   88
```

```
In [48]: print(df.head(3))
```

```
        name  maths  phy  chem  bio
0      arsal     66   55    77   88
1    huzaifa     66   55    77   88
2       mazz     66   55    77   88
```

```
In [ ]:
```