In [8]:

```
#DataFrames
import pandas as pd

names = ['Peter','Harry','Marry']
age = [21,22,34]

data = [['Peter',21],['Harry',22],['Marry',34]]

df = pd.DataFrame(data,columns=['Name','age'])

print(df)
```

```
    Name  age
0  Peter   21
1  Harry   22
2  Marry   34
```

In [10]:

```
#DataFrames
import pandas as pd

names = ['Peter','Harry','Marry']
age = [21,22,34]

data = [['Peter',21],['Harry',22],['Marry',34]]

df = pd.DataFrame(data,columns=['Name','age'], index = ['a','b','c'])

print(df)
```

```
    Name  age
a  Peter   21
b  Harry   22
c  Marry   34
```

In [13]:

```
#DataFrames using List
import pandas as pd

names = ['Peter','Harry','Marry']
Age = [21,22,34,23,34,45,67,78,8,10]

data = [['Peter',21],['Harry',22],['Marry',34]]

df = pd.DataFrame(data,columns=['Name','Age'], index = ['a','b','c'])

df2 = pd.DataFrame(Age,columns=['Age'])
print(df2)
```

```
   Age
0   21
1   22
2   34
3   23
4   34
5   45
6   67
7   78
8    8
9   10
```

In [17]:

```
#DataFrames using Dictionary

import pandas as pd

Names = ['Peter','Harry','Marry']
Age = [21,22,34,23,34,45,67,78,8,10]

data = [['Peter',21],['Harry',22],['Marry',34]]

df = pd.DataFrame(data,columns=['Names','Age'], index = ['a','b','c'])

df2 = pd.DataFrame(Age,columns=['Age'])

dict1 = {'Names':['Peter','Harry','Marry'],'Age':[12,34,55]}
df3 = pd.DataFrame(dict1)
print(df3)
```

```
   Names  Age
0  Peter   12
1  Harry   34
2  Marry   55
```

In [19]:

```
#DataFrames using Dictionary

import pandas as pd

Names = ['Peter','Harry','Marry']
Age = [21,22,34,23,34,45,67,78,8,10]

data = [['Peter',21],['Harry',22],['Marry',34]]

df = pd.DataFrame(data,columns=['Names','Age'], index = ['a','b','c'])

df2 = pd.DataFrame(Age,columns=['Age'])

dict1 = {'Names':['Peter','Harry','Marry'],'Age':[12,34,55]}
df3 = pd.DataFrame(dict1,columns=['Names','Age'])
df3.rename(columns ={'Names':'PEOPLE','Age':'AGE'},inplace = True)
print(df3)
```

```
  PEOPLE  AGE
0  Peter   12
1  Harry   34
2  Marry   55
```

In [27]:

```
#DataFrames
#delet default column
import pandas as pd

data = [['Peter',21],['Harry',22],['Marry',34]]

df = pd.DataFrame(data,columns=['Names','Age'])
df = df.drop(0)
print(df)
```

```
   Names  Age
b  Harry   22
c  Marry   34
```

In [29]:

```
#DataFrames
#delet userdefined column
import pandas as pd

data = [['Peter',21],['Harry',22],['Marry',34]]

df = pd.DataFrame(data,columns=['Names','Age'], index = ['a','b','c'])
df = df.drop('b')
print(df)
```

```
   Names  Age
a  Peter   21
c  Marry   34
```

In [35]:

```
#DataFrames
#Acess particular column
import pandas as pd

data = [['Peter',21],['Harry',22],['Marry',34]]

df = pd.DataFrame(data,columns=['Names','Age'], index = ['a','b','c'])

print(df['Names'])
```

```
a    Peter
b    Harry
c    Marry
Name: Names, dtype: object
```

In [36]:

```
#DataFrames
#Acess particular column
import pandas as pd

data = [['Peter',21],['Harry',22],['Marry',34]]

df = pd.DataFrame(data,columns=['Names','Age'], index = ['a','b','c'])

print(df['Age'])
```

```
a    21
b    22
c    34
Name: Age, dtype: int64
```

In [39]:

```
#DataFrames
#Acess particular row

import pandas as pd

data = [['Peter',21],['Harry',22],['Marry',34]]

df = pd.DataFrame(data,columns=['Names','Age'], index = ['a','b','c'])

print(df.loc['b'])
```

```
Names    Harry
Age         22
Name: b, dtype: object
```

In [43]:

```
#DataFrames
#Acess particular row by default index using iloc

import pandas as pd

data = [['Peter',21],['Harry',22],['Marry',34]]

df = pd.DataFrame(data,columns=['Names','Age'], index = ['a','b','c'])

print(df.iloc[1])
```

```
Names    Harry
Age         22
Name: b, dtype: object
```

In [48]:

```
#DataFrames
#Acess Multiple row

import pandas as pd

data = [['Peter',21],['Harry',22],['Marry',34]]

df = pd.DataFrame(data,columns=['Names','Age'], index = ['a','b','c'])

print(df.iloc[0:2])
```

```
   Names  Age
a  Peter   21
b  Harry   22
```

In [54]:

```
#DataFrames
#Insert particular column

import pandas as pd

data = [['Peter',21],['Harry',22],['Marry',34]]

salary=[1000,20000,30000]

df = pd.DataFrame(data,columns=['Names','Age'], index = ['a','b','c'])
df.insert(1,'salary',salary)

print(df)
```

```
   Names  salary  Age
a  Peter    1000   21
b  Harry   20000   22
c  Marry   30000   34
```

In [58]:

```
#DataFrames
#Append - add two dataframe

import pandas as pd

data = [['Peter',21],['Harry',22],['Marry',34]]

df = pd.DataFrame(data,columns=['Names','Age'])
data = [['Anny',21],['Mike',22],['Prince',44]]

df2 = pd.DataFrame(data,columns=['Names','Age'])

df = df.append(df2)
print(df)
```

```
    Names  Age
0   Peter   21
1   Harry   22
2   Marry   34
0    Anny   21
1    Mike   22
2  Prince   44
```

In [59]:

```
#DataFrames
#Delete column

import pandas as pd

data = [['Peter',21],['Harry',22],['Marry',34]]

df = pd.DataFrame(data,columns=['Names','Age'])
del df['Age']
print(df)
```

```
   Names
0  Peter
1  Harry
2  Marry
```

In [ ]:

In [ ]: