ONE PAGE SUMMARY PANDAS.READ() METHOD

- As we know pandas library can read different type of file format like csv, excel, xml, json, sql,html and many more... In this summary we will cover frequently used file formate.

- **To read csv file :**

  pandas.read_csv("your_file_path")

- **To read excel file :**

  pandas.read_excel("your_file_path")

- **To read xml file :**

  pandas.read_xml("your_file_path")

- **pandas read method has many arguments, so while reading a data/file we can modified our output as per requirements.**

- In the below command we are reading csv file but we are passing arguments sep which delimeter to use ->pandas.read_csv("your_file_path",sep=",")

- In the below command we are reading csv file but we are choosing a row to be a here I am choosing 0 row as header -> pandas.read_csv("your_file_path",header=[1])

- If we want to skip specific rows we can use skip_rows arguments

  -> pandas.read_csv("your_file_path",skip_rows=[0,1])

For more info visit - https://pandas.pydata.org/docs/reference/api/pandas.read_csv.html

In [52]:
```python
#Importing pandas library
import pandas
```

In [53]:
```python
# Making dictionary which we will use as dataframe
df = ({"Name" : ["John", "Joy", "Jane", "Jimmy", "James"], "Birth_Year" : [1999,2000
        "class" : [10, 11, 12, 9, 10] , "grade" : ["A", "C","B", "D","B"]})
```

In [54]:
```python
# reading as DataFrame using pandas.DataFrame()
student_dataframe = pandas.DataFrame(df)
# converting dataframe to csv file using to_csv method and saving as student.csv
student_dataframe.to_csv("student.csv", index=False)
```

In [55]:
```python
# reading csv file using pandas.read_csv() file method
pandas.read_csv("student.csv")
```

Out[55]:

	Name	Birth_Year	class	grade
0	John	1999	10	A
1	Joy	2000	11	C
2	Jane	1998	12	B
3	Jimmy	2002	9	D
4	James	2001	10	B

In [56]:
```python
# reading csv file using sep arguments in pandas.read_csv() method
pandas.read_csv("student.csv", sep = ',')
```

Out[56]:

	Name	Birth_Year	class	grade
0	John	1999	10	A
1	Joy	2000	11	C
2	Jane	1998	12	B
3	Jimmy	2002	9	D
4	James	2001	10	B

In [57]:
```python
# reading cvs file using header argument in pandas.read_csv() method
pandas.read_csv("student.csv", header=[0])
```

Out[57]:

	Name	Birth_Year	class	grade
0	John	1999	10	A
1	Joy	2000	11	C
2	Jane	1998	12	B
3	Jimmy	2002	9	D
4	James	2001	10	B

In [58]:
```python
# if i want to make 0th row as header so i can pass 1 in header or we can pass list
pandas.read_csv("student.csv", header=[1])
```

Out[58]:

	John	1999	10	A
0	Joy	2000	11	C
1	Jane	1998	12	B
2	Jimmy	2002	9	D
3	James	2001	10	B

In [59]:
```python
# If i want to skip 2 and 3 row i can use skip rows argument to skip specific rows
print("Student csv file without skip_rows argument")
print()
print(pandas.read_csv("student.csv"))
print()
print("*****************************************************************************")
print()
print("Student csv file with skip_rows argument, here I am skipping 2 and 3 rows")
print()
print(pandas.read_csv("student.csv", skiprows = [2,3]))
```

```
Student csv file without skip_rows argument

    Name  Birth_Year  class grade
0   John        1999     10     A
1    Joy        2000     11     C
2   Jane        1998     12     B
3  Jimmy        2002      9     D
4  James        2001     10     B

*****************************************************************************

Student csv file with skip_rows argument, here I am skipping 2 and 3 rows

    Name  Birth_Year  class grade
0   John        1999     10     A
1  Jimmy        2002      9     D
2  James        2001     10     B
```

In [ ]: