Ques 01 : How do I read `Tabular Data` file into pandas?

Tabular Data means data that looks like a table (rows & columns)

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

In [2]:
```
orders_ds = pd.read_table('http://bit.ly/chiporders')  # URL of the dataset
orders_ds.head()
```

Out[2]:

	order_id	quantity	item_name	choice_description	item_price
0	1	1	Chips and Fresh Tomato Salsa	NaN	$2.39
1	1	1	Izze	[Clementine]	$3.39
2	1	1	Nantucket Nectar	[Apple]	$3.39
3	1	1	Chips and Tomatillo-Green Chili Salsa	NaN	$2.39
4	2	2	Chicken Bowl	[Tomatillo-Red Chili Salsa (Hot), [Black Beans...	$16.98

> By default, `read_table( )` assumes that the data is `tab` seperated, and first column is 'header'. These are some default parameters of read_table( ) function. Here, the Dataset is in default format of read_Table( ) function, so it is loaded perfectly.

We can put the cursor in the bracket of read_table( ) function, and press `shift + tab` to see all the parameters of this function.

In [3]:
```
movie_users_ds = pd.read_table('http://bit.ly/movieusers')
movie_users_ds.head()
```

Out[3]:

	1|24|M|technician|85711
0	2|53|F|other|94043
1	3|23|M|writer|32067
2	4|24|M|technician|43537
3	5|33|F|other|15213
4	6|42|M|executive|98101

The movie dataset is not in default format. Here, seperator is | (pipe) and 1st column is not header.

In [4]:
```
column_list = ['User_id', 'Age', 'Gender', 'Occupation', 'Zip-code']    # For column header
movie_users_ds = pd.read_table('http://bit.ly/movieusers', sep='|', header = None, names = column_list )

# Here, header = None, as there is no header in the dataset.
# If a header exists and we want to replace that, then header = 0

movie_users_ds.head()
```

Out[4]:

	User_id	Age	Gender	Occupation	Zip-code
0	1	24	M	technician	85711
1	2	53	F	other	94043
2	3	23	M	writer	32067
3	4	24	M	technician	43537
4	5	33	F	other	15213