pandas read CSV for details

header=1

In [3]:
```
import pandas as pd
df=pd.read_csv("C:/Users/prasa/Desktop/ds projects/panda/stock_data.csv",skiprows=1) #header=1
df
```

Out[3]:

	tickers	eps	revenue	price	people
0	GOOGL	27.82	87	845	larry page
1	WMT	4.61	484	65	n.a.
2	MSFT	-1	85	64	bill gates
3	RIL	not available	50	1023	mukesh ambani
4	TATA	5.6	-1	n.a.	ratan tata

In [15]:
```
import pandas as pd
df=pd.read_csv("C:/Users/prasa/Desktop/ds projects/panda/stock_data.csv", header= None,names=["tickers","eps","revenue","price","people"])
df
```

Out[15]:

	tickers	eps	revenue	price	people
0	tickers	eps	revenue	price	people
1	GOOGL	27.82	87	845	larry page
2	WMT	4.61	484	65	n.a.
3	MSFT	-1	85	64	bill gates
4	RIL	not available	50	1023	mukesh ambani

	tickers	eps	revenue	price	people
5	TATA	5.6	-1	n.a.	ratan tata

In [16]:
```
import pandas as pd
df=pd.read_csv("C:/Users/prasa/Desktop/ds projects/panda/stock_data.csv",nrows=3)
df
```

Out[16]:

	tickers	eps	revenue	price	people
0	GOOGL	27.82	87	845	larry page
1	WMT	4.61	484	65	n.a.
2	MSFT	-1.00	85	64	bill gates

In [19]:
```
import pandas as pd
df=pd.read_csv("C:/Users/prasa/Desktop/ds projects/panda/stock_data.csv", na_values=["not available","n.a."])
df
```

Out[19]:

	tickers	eps	revenue	price	people
0	GOOGL	27.82	87	845.0	larry page
1	WMT	4.61	484	65.0	NaN
2	MSFT	-1.00	85	64.0	bill gates
3	RIL	NaN	50	1023.0	mukesh ambani
4	TATA	5.60	-1	NaN	ratan tata

In [26]:
```
import pandas as pd
df=pd.read_csv("C:/Users/prasa/Desktop/ds projects/panda/stock_data.csv", na_values=
                {
                    'eps': ['not available','n.a.'],
                    'revenue':['not available','n.a.',-1]
```

```
                    'people':['not available','n.a.']
                })
df
```

Out[26]:

	tickers	eps	revenue	price	people
0	GOOGL	27.82	87.0	845	larry page
1	WMT	4.61	484.0	65	NaN
2	MSFT	-1.00	85.0	64	bill gates
3	RIL	NaN	50.0	1023	mukesh ambani
4	TATA	5.60	NaN	n.a.	ratan tata

In [23]:
```
df.to_csv("new.csv",index=False)
```

In [43]:
```
df.columns
```

Out[43]:
```
Index(['tickers', 'eps', 'revenue', 'price', 'people'], dtype='object')
```

In [38]:
```
df.to_csv("new1.csv", columns=['tickers', 'eps'])
```

In [39]:
```
df.to_csv("new2.csv", header=False)
```

Excel

In [54]:
```
import pandas as pd
def convert_people_cell(cell):
    if cell=="n.a.":
        return 'sam walton'
    return cell

def convert_eps_cell(cell):
    if cell=="not available":
        return None
    return cell
```

```
df=pd.read_excel("C:/Users/prasa/Desktop/ds projects/panda/stock_data.xlsx", "Sheet1", converters = {
    'people': convert_people_cell,
    'eps': convert_eps_cell

})
df
```

Out[54]:

	tickers	eps	revenue	price	people
0	GOOGL	27.82	87	845	larry page
1	WMT	4.61	484	65	sam walton
2	MSFT	-1.00	85	64	bill gates
3	RIL	NaN	50	1023	mukesh ambani
4	TATA	5.60	-1	n.a.	ratan tata

In [65]:
```
df.to_excel("new5.xlsx", sheet_name="stocks", startrow=1, startcol=2, index = False)
```

In [69]:
```
df_stocks = pd.DataFrame({
 'tickers': ['GOOGL','WMT','MSFT'],
    'price': [845,65,64],
    'po': [30.37,14.26,30.97],
    'eps': [27.82,4.61,2.12]
})

df_weather = pd.DataFrame({
    'day':['1/1/2017','1/2/2017','1/3/2017'],
    'temperature': [32,35,28],
    'event': ['Rain','Sunny','Snow']
})
```

In [70]:
```
with pd.ExcelWriter('stocks_weather.xlsx') as writer:
    df_stocks.to_excel(writer, sheet_name="stocks")
```

```
    df_weather.to_excel(writer, sheet_name="weather")
```

In [ ]:

```

```