3. Exploring data tables with Pandas

1. Use Pandas to read the house prices data. How many columns and rows are there in this dataset?
2. The first step I usually do is to use commands like pandas.head() to print a few rows of data. Look around what kind of features are available and read data description.txt for more info. Try to understand as much as you can. Pick three features you think will be good predictors of house prices and explain what they are.
3. How many unique conditions are there in SaleCondition? Use Pandas to find out how many samples are labeled with each condition. What do you learn from doing this?
4. Select one variable you picked in b., do you want to know something more about that variable? Use Pandas to answer your own question and de- scribe what you did shortly here.

In [1]:
```
#Import Libraries
import pandas as pd
import numpy as np
import seaborn as sns
from sklearn import linear_model
from sklearn.model_selection import cross_val_predict
from scipy import stats
import matplotlib.pyplot as plt
```

Answer 3.1

read data using 'read_csv' there are 1460 rows and 81 columns in data set

In [2]:
```
Location = r'C:\Users\dell\Desktop\module8&9\AI\Lab01\train.csv'
df = pd.read_csv(Location)
```

Answer 3.2

The Three features are

1. MSSubClass : Type of house
2. LotArea : Lot size(Area of house)
3. LotFrontage : Area Front side of house