Pandas Assignment TutoriaL # 24

In [ ]:
```
import pandas as pd
import numpy as np
```

Assignment 1

AND binary conditional function b/w two coloum

In [ ]:
```
dates  = pd.date_range("20200101", periods= 20)
df1 = pd.DataFrame(np.random.randn(20, 4),index=dates,columns=list("ABCD"))
df1.to_numpy()
df1[(df1['A'] > 0.2) & (df1['B'] > 1.2) ]
```

Out[ ]:

	A	B	C	D
2020-01-04	1.534172	1.955062	2.134701	0.760188
2020-01-05	1.254597	1.205713	0.821257	-0.054526

Assignment 2

Column generate "Mean" that take value from all numerical valuecolumn and stored its average of each row

In [ ]:
```
df1["mean"]= (df1["A"]+df1["B"]+df1["C"]+df1["D"])/4
df1
```

Out[ ]:

	A	B	C	D	mean
2020-01-01	0.090606	-0.187306	0.811320	0.885768	0.400097
2020-01-02	0.057518	-0.706383	-0.787572	0.011758	-0.356170
2020-01-03	0.810831	0.934191	1.290525	-0.668135	0.591853
2020-01-04	1.534172	1.955062	2.134701	0.760188	1.596031
2020-01-05	1.254597	1.205713	0.821257	-0.054526	0.806760
2020-01-06	-0.406413	-0.370932	0.012514	-0.196210	-0.240260
2020-01-07	0.037048	-0.810625	0.862351	0.966847	0.263905
2020-01-08	-0.027248	1.041963	0.176589	0.334196	0.381375
2020-01-09	1.053574	0.130833	-0.581193	1.809649	0.603216
2020-01-10	-2.534643	-0.263891	-1.645512	-0.638808	-1.270713
2020-01-11	-0.721189	-0.964238	0.693570	-0.428273	-0.355033
2020-01-12	-0.253616	-0.081835	0.826512	-0.861217	-0.092539
2020-01-13	-0.744639	-0.858662	0.343075	1.274306	0.003520
2020-01-14	-0.174643	-1.278777	1.483165	0.881410	0.227789
2020-01-15	-0.365101	-0.229804	0.969524	-1.398940	-0.256080
2020-01-16	1.148158	0.069918	0.446236	-2.452263	-0.196988

	A	B	C	D	mean
2020-01-17	1.114986	-1.558285	0.038644	-1.467446	-0.468025
2020-01-18	0.558292	-1.392285	0.043379	0.627225	-0.040847
2020-01-19	1.187205	-0.010576	-0.781800	-0.494336	-0.024877
2020-01-20	0.580974	1.129424	1.118008	0.337035	0.791360