

1 How to rename column names in Pandas

```
In [117]: import pandas as pd
import numpy as np
df = pd.DataFrame(np.random.randint(0,10,size=(5, 5)), columns=list('ABCDF'))
df
```



	A	B	C	D	F
0	0	9	6	5	5
1	0	3	0	7	3
2	3	7	1	6	9
3	9	8	5	4	5
4	8	6	0	2	9

1.1 Step 1: Rename all column names in Pandas DataFrame

```
In [118]: df.columns

Index(['A', 'B', 'C', 'D', 'F'], dtype='object')
```

```
In [119]: df.columns = ['First', 'Second', '3rd', '4th', '5th']
```

```
In [120]: df.columns

Index(['First', 'Second', '3rd', '4th', '5th'], dtype='object')
```

```
In [121]: df
```

	First	Second	3rd	4th	5th
0	0	9	6	5	5
1	0	8	0	7	3
2	3	7	1	6	9
3	9	8	5	4	5
4	8	6	0	2	9

Before					=>	After				
A	B	C	D	F		First	Second	C	D	F
8	7	4	0	0		8	7	4	0	0
5	3	9	7	3		5	3	9	7	3
0	1	6	6	2		0	1	6	6	2
0	9	5	8	2		0	9	5	8	2
4	5	6	1	8		4	5	6	1	8

1.2 Step 2: Rename specific column names in Pandas

```
In [105]: df.columns = ['A', 'B', 'C', 'D', 'F']
```

```
In [106]: column_map = {'A': 'First', 'B': 'Second'}
df = df.rename(columns=column_map)
```

```
In [107]: df.columns

Index(['First', 'Second', 'C', 'D', 'F'], dtype='object')
```