

# Basic Pandas Functions

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

```
In [2]: import numpy as np
```

## Creating an Empty Dataframe

```
In [3]: empty_df = pd.DataFrame()
```

```
In [4]: print(empty_df)
```

Empty DataFrame  
Columns: []  
Index: []

## Creating a Dataframe with some data in it

```
In [5]: filled_df = pd.DataFrame([[1,2,3,4],[26,24,26,21],[63,42,52,24],[621,152,235,251],[1000,2000,3000,4000]])
```

```
In [6]: print(filled_df)
```

	0	1	2	3
0	1	2	3	4
1	26	24	26	21
2	63	42	52	24
3	621	152	235	251
4	1000	2000	3000	4000

## .head in a Dataframe

```
In [7]: filled_df = pd.DataFrame([[1,2,3,4],[26,24,26,21],[63,42,52,24],[621,152,235,251],[1000,2000,3000,4000]])
```

```
In [8]: print(filled_df.head())
```

	0	1	2	3
0	1	2	3	4
1	26	24	26	21
2	63	42	52	24
3	621	152	235	251
4	1000	2000	3000	4000

```
In [9]: print(filled_df.head(3))
```

	0	1	2	3
0	1	2	3	4
1	26	24	26	21
2	63	42	52	24

## .tail in Dataframe

```
In [10]: filled_df = pd.DataFrame([[1,2,3,4],[26,24,26,21],[63,42,52,24],[621,152,235,251],[1000,2000,3000,4000]])
```

```
In [11]: print(filled_df.tail())
```

	0	1	2	3
0	1	2	3	4
1	26	24	26	21
2	63	42	52	24
3	621	152	235	251
4	1000	2000	3000	4000

```
In [12]: print(filled_df.tail(2))
```

	0	1	2	3
3	621	152	235	251
4	1000	2000	3000	4000

End