In [1]:

```python
import numpy as np
from pandas import Series,DataFrame
import pandas as pd
```

In [2]:

```python
#Let's learn/review about Index Objects
my_ser = Series([1,2,3,4],index=['A','B','C','D'])
my_ser
```

Out[2]:

```
A    1
B    2
C    3
D    4
dtype: int64
```

In [3]:

```python
#Get the index
my_index = my_ser.index
#Show
my_index
```

Out[3]:

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

In [4]:

```python
#Can grab index ranges
my_index[2:]
```

Out[4]:

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

In [5]:

```
#What happens if we try to change an index value?
my_index[0] = 'Z'
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call las
t)
<ipython-input-5-61634a8e1bbb> in <module>
      1 #What happens if we try to change an index value?
----> 2 my_index[0] = 'Z'

~\anaconda3\lib\site-packages\pandas\core\indexes\base.py in __setitem__(s
elf, key, value)
   3908
   3909     def __setitem__(self, key, value):
-> 3910         raise TypeError("Index does not support mutable operation
s")
   3911
   3912     def __getitem__(self, key):

TypeError: Index does not support mutable operations
```

In [ ]:

```
#Excellent! Indexes are immutable!
```

In [ ]:

```
#Next we'll learn about Reindexing.
```