In [1]:

```
# pandas
import pandas as pd
```

In [2]:

```
# creating scaler series

data1 = pd.Series(0.7)
data1
```

Out[2]:

```
0    0.7
dtype: float64
```

In [3]:

```
data2 = pd.Series(0.7,index=['a'])
data2
```

Out[3]:

```
a    0.7
dtype: float64
```

In [4]:

```
# if you have one value and index is more then value will repeat
data3 = pd.Series(0.7,index=['a','b','c'])
data3
```

Out[4]:

```
a    0.7
b    0.7
c    0.7
dtype: float64
```

In [6]:

```
# series with dict

data4 = pd.Series({'name':"micky",'phone':998877665})
data4
```

Out[6]:

```
name          micky
phone    998877665
dtype: object
```

In [7]:

```
# opeartions on series
data5 = pd.Series([1,2,3,4,5])
data5
```

Out[7]:

```
0    1
1    2
2    3
3    4
4    5
dtype: int64
```

In [8]:

```
data5[0]
```

Out[8]:

```
1
```

In [9]:

```
data5[4]
```

Out[9]:

```
5
```

In [11]:

```
# slice
data5[0:5]
```

Out[11]:

```
0    1
1    2
2    3
3    4
4    5
dtype: int64
```

In [12]:

```
# max value
max(data5)
```

Out[12]:

```
5
```

In [13]:

```
min(data5)
```

Out[13]:

```
1
```

In [22]:

```
# Conditions  from data set give me value greater than 40 score
data6 =pd.Series([29,35,65,12,49,87,98,23,54,31,29,36,74,44,45,43,38,39,33])
```

In [23]:

```
for x in data6:
    if x >= 40:
        print('Result is : ',x)
```

...

In [24]:

```
data6[data6>40]
```

Out[24]:

```
2     65
4     49
5     87
6     98
8     54
12    74
13    44
14    45
15    43
dtype: int64
```

In [25]:

```
max(data6)
```

Out[25]:

```
98
```

In [26]:

```
data7 = data6[data6>40]
```

In [27]:

```
max(data7)
```

Out[27]:

```
98
```

In [28]:

```
min(data7)
```

Out[28]:

```
43
```

In [29]:

```
data7
```

Out[29]:

```
2     65
4     49
5     87
6     98
8     54
12    74
13    44
14    45
15    43
dtype: int64
```