```
import numpy as np
```

```
import pandas as pd
```

```
labels = ['a','b','c']
```

```
my_data = [10,20,30]
```

```
arr = np.array(my_data)
```

```
d = {'a':10,'b':20,'c':30}
```

```
pd.Series(data = my_data)
```

```
0    10
1    20
2    30
dtype: int64
```

```
#if you need labels # a, b, c
pd.Series(data = my_data, index=labels) #same output
```

```
a    10
b    20
c    30
dtype: int64
```

```
pd.Series(my_data,labels) #same output
```

```
a    10
b    20
c    30
dtype: int64
```

```
pd.Series(arr,labels)
```

```
a    10
b    20
c    30
dtype: int64
```

```
pd.Series(d)
```

```
a    10
b    20
```

```
c    30
dtype: int64
```

```
labels
```

```
['a', 'b', 'c']
```

```
ser1 = pd.Series([1,2,3,4],['USA','Germany','USSR','Japan'])
```

```
ser1
```

```
USA        1
Germany    2
USSR       3
Japan      4
dtype: int64
```

```
ser2 = pd.Series([1,2,5,4],['USA','Germany','Italy','Japan'])
```

```
ser2
```

```
USA        1
Germany    2
Italy      5
Japan      4
dtype: int64
```

```
ser1['USA']
```

```
1
```

```
ser3 = pd.Series(data=labels)
```

```
ser3
```

```
0    a
1    b
2    c
dtype: object
```

```
ser3[0]
```

```
'a'
```

```
ser1
```

```
USA        1
Germany    2
USSR       3
Japan      4
dtype: int64
```

```
ser2
```

```
USA        1
Germany    2
Italy      5
Japan      4
dtype: int64
```

```
ser1  + ser2
```

```
Germany    4.0
Italy      NaN
Japan      8.0
USA        2.0
USSR       NaN
dtype: float64
```

Start coding or generate with AI.