

```
In [3]: import pandas as pd
import numpy as np
arr=np.array(['p','a','n','d','a','s'])
a=pd.Series(arr)
print(a)
```

```
0    p
1    a
2    n
3    d
4    a
5    s
dtype: object
```

```
In [4]: arr={'x':0,'y':1,'z':2}
b=pd.Series(arr)
print(b)
```

```
x    0
y    1
z    2
dtype: int64
```

```
In [5]: x=pd.Series(4,index=[0,1,2,3])
print(x)
```

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

```
In [6]: x=pd.Series([1,2,3,4],index=['a','b','c','d'])
print(x)
```

```
a    1
b    2
c    3
d    4
dtype: int64
```

```
In [8]: a=pd.Series(data=[1,2,3,4])
print(a)
print(a.index)
print(a.values)
print(a.shape)
print(a.ndim)
print(a.size)
```

```
0    1
1    2
2    3
3    4
dtype: int64
RangeIndex(start=0, stop=4, step=1)
[1 2 3 4]
(4,)
1
4
```

```
In [11]: df=pd.DataFrame()
print(df)
```

```
Empty DataFrame
Columns: []
Index: []
```

```
In [13]: EMP=pd.Series(['Parker','John','Smith','William',])
ID=pd.Series([123,124,125,126])
frame={'EMP':EMP,'ID':ID}
result=pd.DataFrame(frame)
print(result)
```

```
      EMP  ID
0  Parker  123
1   John  124
2  Smith  125
3 William  126
```

```
In [14]: print(result['EMP'])
```

```
0    Parker
1      John
2     Smith
3  William
Name: EMP, dtype: object
```

```
In [15]: print(result.loc[2])
```

```
EMP    Smith
ID      125
Name: 2, dtype: object
```

```
In [44]: result['Age']=pd.Series([34,35,36,37])  
print(result)
```

	EMP	ID	Age
0	Parker	123	34
1	John	124	35
2	Smith	125	36
3	William	126	37

```
In [46]: del result['Age']  
print(result)
```

	EMP	ID
0	Parker	123
1	John	124
2	Smith	125
3	William	126

```
In [ ]:
```

```
In [ ]:
```