

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

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

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```
import pandas as pd
# a list of strings
X=['python','pandas']
df =pd.DataFrame(X)
print(df)
```

```
      0
0  python
1  pandas
```

```
a =pd.Series(['python', 'oops', 'math'])
a.map({'oops':'math'})
```

```
0    NaN
1    math
2    NaN
dtype: object
```

```
s=pd.Series(['a','b','c'],
name="vals")
s.to_frame()
```

```
      vals
0      a
1      b
2      c
```

```
import matplotlib.pyplot as plt
emp =['Sumit','shani','vivek', 'Shashikant ']
id=[105,107,110,140]
emp_series=pd.Series(emp)
id_series=pd.Series(id)
frame = {'emp':emp_series, 'ID':id_series}
result=pd.DataFrame(frame)
print(result)
```

```
      emp  ID
0    Sumit  105
1    shani  107
2    vivek  110
3  Shashikant  140
```

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