

In [1]:

```
#2000031205 aids skill5
#importing pandas and reading data into dataframe
import pandas as pd
import numpy as np
mydataset = {
    'cars': ["BENZ", "LANDROVERE", "TATA"],
    'passings': [3, 7, 2]
}
myvar = pd.DataFrame(mydataset)

print(myvar)
```

	cars	passings
0	BENZ	3
1	LANDROVERE	7
2	TATA	2

In [2]:

```
# series
a = [2, 4, 5, 6, 9]
myvar = pd.Series(a)
print(myvar)
```

0	2
1	4
2	5
3	6
4	9

dtype: int64

In [3]:

```
# converting a numpy array into a series
arr = np.random.randint(0, 9, size=10)
print('array')
print(arr)
ser = pd.Series(arr)
print
print(ser)
```

array	
[0 1 6 6 7 7 6 5 5 8]	
0	0
1	1
2	6
3	6
4	7
5	7
6	6
7	5
8	5
9	8

dtype: int32

In [13]:

```
#slicing a series
ser = pd.Series(['a', 'b', 'c', 'd', 'e'])
print(ser[:3])
print(ser[2:])
```

```
0    a
1    b
2    c
dtype: object
2    c
3    d
4    e
dtype: object
```

In [5]:

```
#series from a dictionary
dict_a = {'a':4, 'b':6, 'c':9, 'd':5}
ser_a = pd.Series(dict_a)
print(ser_a)
```

```
a    4
b    6
c    9
d    5
dtype: int64
```

In []: