190031920

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DS Skill 1

```python
import pandas as pd
import numpy as np
```

```python
list = ['apple','banana','orange','grape']
series = pd.Series(list)
print(series)
```

```
0     apple
1    banana
2    orange
3     grape
dtype: object
```

```python
d=['kishan','tejesh','vyshnav','goutham','anirudh']
m=[[78,66,69,75],[88,68,79,77],[70,80,90,60],[88,66,77,89],[69,64,82,72]]
s=['AI','OOPS','MP2','CNS']
```

```python
df = pd.DataFrame(data=m,index=d,columns=s)
```

```python
df
```

	AI	OOPS	MP2	CNS
kishan	78	66	69	75
tejesh	88	68	79	77
vyshnav	70	80	90	60
goutham	88	66	77	89
anirudh	69	64	82	72

```python
z = df.iloc[1:,:2]
```

```python
z
```

	AI	OOPS
tejesh	88	68
vyshnav	70	80
goutham	88	66
anirudh	69	64

```python
df['SPI'] = df['MP2']+df['AI']
df
```

	AI	OOPS	MP2	CNS	SPI
kishan	78	66	69	75	147
tejesh	88	68	79	77	167
vyshnav	70	80	90	60	160
goutham	88	66	77	89	165
anirudh	69	64	82	72	151

```python
df['total']=df['AI']+df['OOPS']+df['MP2']+df['CNS']
df
```

	AI	OOPS	MP2	CNS	SPI	total
kishan	78	66	69	75	147	288
tejesh	88	68	79	77	167	312
vyshnav	70	80	90	60	160	300
goutham	88	66	77	89	165	320
anirudh	69	64	82	72	151	287

```python
df.loc[['vyshnav','anirudh']]
```

	AI	OOPS	MP2	CNS	SPI	total
vyshnav	70	80	90	60	160	300
anirudh	69	64	82	72	151	287

```python
sum(df['OOPS'])
```

```
344
```