

map..

- ① Map is python built in function.
- ② It is used to apply some functions on each element of a sequence or collection item.
- ③ It can be used in the pandas dataframe as well.

```
def square(x)
    return x*x
abc = [1, 2, 3, 4, 5]
out = list(map(square, abc))
```

out
[1, 4, 9, 16, 25]

datas

```
import pandas as pd
datas = pd.read_csv('weather.csv')
data[['temperature', 'humidity']].applymap(square)
```

	temperature	humidity
0	4900	2500
1	5625	3025
2	5184	2304
3	5929	3600
4	4624	2704
5	5329	3249

datas[['temperature', 'humidity']].applymap(
lambda x: x*x)

same output

```
datas[['temperature']].map(lambda x: x*x)
```

Output

0	4900
1	5625
2	5184
3	5929
4	4624
5	5329

Name: temperature, dtype: int64