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In [1]: import numpy as np
import pandas as pd
from pandas import Series, DataFrame
```

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In [2]: # Let's create a dframe to work with (Highest elevation cities in USA)
dframe = DataFrame({'city': ['Alma', 'Brian Head', 'Fox Park'],
                    'altitude': [3158, 3000, 2762]})

#Show
dframe
```

```
Out[2]:
```

	altitude	city
0	3158	Alma
1	3000	Brian Head
2	2762	Fox Park

```
In [6]: #Now Let's say we wanted to add a column for the States, we can do that with a map
state_map={'Alma': 'Colorado', 'Brian Head': 'Utah', 'Fox Park': 'Wyoming'}
```

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In [7]: # Now we can map that data to our current dframe
dframe['state'] = dframe['city'].map(state_map)
```

```
In [8]: #Show result
dframe
```

```
Out[8]:
```

	altitude	city	state
0	3158	Alma	Colorado
1	3000	Brian Head	Utah
2	2762	Fox Park	Wyoming

```
In [9]: # Mapping is a great way to do element-wise transformations and other data cleaning
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In [ ]: # Next up : Replacing Values!
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