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Create a Column Based on a Conditional in pandas

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Preliminaries

```
# Import required modules
import pandas as pd
import numpy as np
```

Make a dataframe

```
data = {'name': ['Jason', 'Molly', 'Tina', 'Jake', 'Amy'],
        'age': [42, 52, 36, 24, 73],
        'preTestScore': [4, 24, 31, 2, 3],
        'postTestScore': [25, 94, 57, 62, 70]}
df = pd.DataFrame(data, columns = ['name', 'age', 'preTestScore',
                                   'postTestScore'])
df
```

	name	age	preTestScore	postTestScore
0	Jason	42	4	25
1	Molly	52	24	94
2	Tina	36	31	57
3	Jake	24	2	62
4	Amy	73	3	70

Add a new column for elderly

```
# Create a new column called df.elderly where the value is yes
# if df.age is greater than 50 and no if not
df['elderly'] = np.where(df['age']>=50, 'yes', 'no')
```

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	name	age	preTestScore	postTestScore	elderly
0	Jason	42	4	25	no
1	Molly	52	24	94	yes
2	Tina	36	31	57	no
3	Jake	24	2	62	no
4	Amy	73	3	70	yes

Find an error or bug?

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