In [1]:

```
import pandas as pd

korea_weather = pd.DataFrame({
    'city': ['seoul','anyang','sungnam'],
    'temp': [23,32,12],
    'humidity': [50,60,55]
})
korea_weather
```

Out[1]:

	city	humidity	temp
0	seoul	50	23
1	anyang	60	32
2	sungnam	55	12

In [2]:

```
us_weather = pd.DataFrame({
    'city': ['texas','newyork','LA'],
    'temp': [13,15,19],
    'humidity': [56,62,51]
})
us_weather
```

Out[2]:

	city	humidity	temp
0	texas	56	13
1	newyork	62	15
2	LA	51	19

In [3]:

```
df = pd.concat([korea_weather, us_weather],
               ignore_index=False, keys=['korea','us'])
df
```

Out[3]:

		city	humidity	temp
korea	**0**	seoul	50	23
	1	anyang	60	32
	2	sungnam	55	12
us	**0**	texas	56	13
	1	newyork	62	15
	2	LA	51	19

In [4]:

```
df.loc['korea']
```

Out[4]:

	city	humidity	temp
0	seoul	50	23
1	anyang	60	32
2	sungnam	55	12

In [21]:

```
temp_df = pd.DataFrame({
    'city': ['seoul','anyang','sungnam'],
    'temp': [23,32,12],
}, index=[0,1,2])

win_df = pd.DataFrame ({
    'city': ['anyang','seoul','sungnam'],
    'speed': [3,5,7],
}, index=[1,0,2])

```

In [22]:

```
type(temp_df)
```

Out[22]:

```
pandas.core.frame.DataFrame
```

In [23]:

```
#temp_df
#win_df
```

In [24]:

```
df2 = pd.concat([temp_df, win_df],axis =1)
df2
```

Out[24]:

	city	temp	city	speed
0	seoul	23	seoul	5
1	anyang	32	anyang	3
2	sungnam	12	sungnam	7

In [28]:

```
s =pd.Series(['humid','dry','rain'], name='event')
s
```

Out[28]:

```
0    humid
1      dry
2     rain
Name: event, dtype: object
```

In [29]:

```
df = pd.concat([temp_df, s], axis=1)
df
```

Out[29]:

	city	temp	event
0	seoul	23	humid
1	anyang	32	dry
2	sungnam	12	rain

In [ ]:

```

```