

Pokemon

Introduction:

This time you will create the data.

Step 1. Import the necessary libraries

```
In [1]: import pandas as pd
```

Step 2. Create a data dictionary that looks like the DataFrame below

```
In [2]: raw_data = {"name": ['Bulbasaur', 'Charmander', 'Squirtle', 'Caterpie'],
                    "evolution": ['Ivysaur', 'Charmeleon', 'Wartortle', 'Metapod'],
                    "type": ['grass', 'fire', 'water', 'bug'],
                    "hp": [45, 39, 44, 45],
                    "pokedex": ['yes', 'no', 'yes', 'no']}

```

Step 3. Assign it to a variable called pokemon

```
In [3]: pokemon = pd.DataFrame(raw_data)
pokemon.head()
```

Out[3]:

	name	evolution	type	hp	pokedex
0	Bulbasaur	Ivysaur	grass	45	yes
1	Charmander	Charmeleon	fire	39	no
2	Squirtle	Wartortle	water	44	yes
3	Caterpie	Metapod	bug	45	no

Step 4. Ops...it seems the DataFrame columns are in alphabetical order. Place the order of the columns as name, type, hp, evolution, pokedex

```
In [4]: pokemon = pokemon[['name', 'type', 'hp', 'evolution', 'pokedex']]
pokemon
```

Out[4]:

	name	type	hp	evolution	pokedex
0	Bulbasaur	grass	45	Ivysaur	yes
1	Charmander	fire	39	Charmeleon	no
2	Squirtle	water	44	Wartortle	yes
3	Caterpie	bug	45	Metapod	no

Step 5. Add another column called place, and insert what you have in mind.

```
In [5]: pokemon['place'] = ['park', 'street', 'lake', 'forest']
pokemon
```

Out[5]:

	name	type	hp	evolution	pokedex	place
0	Bulbasaur	grass	45	Ivysaur	yes	park
1	Charmander	fire	39	Charmeleon	no	street
2	Squirtle	water	44	Wartortle	yes	lake
3	Caterpie	bug	45	Metapod	no	forest

Step 6. Present the type of each column

```
In [6]: pokemon.dtypes
```

Out[6]:

name	object
type	object
hp	int64
evolution	object
pokedex	object
place	object
dtype:	object