Pokemon

✓ Introduction:

This time you will create the data.

pokemon = pd.DataFrame(pokedex)

Step 1. Import the necessary libraries

```
import pandas as pd
```

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

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

Step 3. Assign it to a variable called pokemon

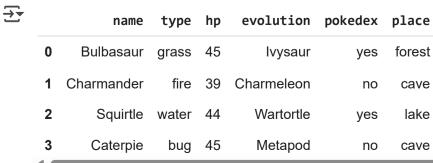
```
pokemon
\overline{2}
          evolution hp
                                 name pokedex type
      0
              Ivysaur 45
                             Bulbasaur
                                            yes grass
         Charmeleon 39
                          Charmander
                                             no
                                                   fire
      2
            Wartortle 44
                               Squirtle
                                            yes water
      3
            Metapod 45
                              Caterpie
                                             no
                                                   bug
```

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

```
pokemon = pokemon.copy()
pokemon = pokemon[['name', 'type', 'hp', 'evolution', 'pokedex']]
pokemon
\overline{2}
                name type hp
                                 evolution pokedex
                                     Ivysaur
      0
           Bulbasaur grass 45
                                                  yes
         Charmander
                        fire 39 Charmeleon
                                                   no
      2
             Squirtle water 44
                                   Wartortle
                                                  yes
                       bug 45
      3
             Caterpie
                                    Metapod
                                                   no
```

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

```
pokemon['place'] = ['forest', 'cave', 'lake', 'cave']
pokemon
```



Step 6. Present the type of each column

pokemon.dtypes



BONUS: Create your own question and answer it.

```
# q: display rows of pokemons with >40hp
# a:
hp40_pokemons = pokemon[pokemon['hp'] > 40]
hp40_pokemons

Show hidden output
```