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Lesson: Unit 2 – Python Dictionaries

1. Create a simple dictionary that stores 2 variables, for example: first and last name.

```
neighbors = {'above': 'Canada', 'below': 'Mexico'}
```

2. Print out those variables stored in your previous dictionary.

```
print(neighbors['above'])  
print(neighbors['below'])
```

3. Add a message to those variables on printing: for example: “Hello, firstname lastname!”

```
print("I love my neighbors, " + neighbors['above'] + " and " +  
neighbors['below'] + "!!")
```

4. Create a dictionary that holds 2 key: value pairs:
 - a. Look through your dictionary and print each pair,

```
places = {'buenos aires': 'argentina', 'budapest': 'hungary'}  
  
for capital, country in places.items():  
    print(capital + ", " + country + "\n")
```

5. Create a nested dictionary containing three dictionaries – these dictionaries could be anything (favorite pets, travel locations, etc.)
 - a. Loop through the dictionaries and print a message for each.

```
faves = {  
    'cities' : { 'home': 'new york', 'visited': 'istanbul', 'dream':  
                'barcelona', 'vacation': 'honolulu' },
```

```
'genres' : { 'one' : 'comedy', 'two' : 'crime', 'three' :  
             'drama' },  
'hobbies' : { 'first' : 'acting', 'second' : 'fashion', 'third'  
              : 'painting' }  
}  
  
for key, value in faves.items():  
    if key == 'cities':  
        print("My favorite cities are: ")  
        print(str(value).title())  
    elif key == 'genres':  
        print("My favorite movie and tv genres are: ")  
        print(str(value).title())  
    else:  
        print("My favorite hobbies are: ")  
        print(str(value).title())
```