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Lesson: Unit 2 – Python Dictionaries

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

```python
student = {"first_name": "Annie",
           "last_name": "Li"

}
```

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

```python
print(student['first_name'])
print(student['last_name'])
```

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

```python
print("Hello, " + student["first_name"] + " " + student["last_name"] +
"!")
```

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

```python
places = {"destination1": "Korea",
          "destination2": "Japan"

}

print("I really want to go to " + places["destination1"] + ".")
print("I also want to go to " + places["destination2"] + ".")
```

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.

```python
travel_destinations = {
    1: {"Country": "Korea"},
    2: {"Country": "Japan"},
    3: {"Country": "Thailand"},
    4: {"Country": "Vietnam"},
}

print("These are the places I want to travel to in the future.")

for x, y in travel_destinations.items():
  print("\nPlace #" + str(x))

  for places in y:
```

```python
print(places + ": " + y[places])
```