

# Python HW #2

---

**Name: Dereck Helms**

1. Write the python statement that creates a list called myPackingList and contains the items “books”, “jacket”, “shoes”, “iPad”, “socks”, “belt”, and “shirt”.

```
myPackingList = ["books", "jacket", "iPad", "socks", "belt", "shirt"]  
print(myPackingList)
```

Output:

```
['books', 'jacket', 'iPad', 'socks', 'belt', 'shirt']
```

2. Write the python statement that prints out the 5th item from myPackingList.

```
myPackingList = ["books", "jacket", "iPad", "socks", "belt", "shirt"]  
print(myPackingList[4])
```

Output:

```
belt
```

3. Write out the python statement that changes the value “iPad” to “iPhone” from myPackingList.

```
myPackingList = ["books", "jacket", "iPad", "socks", "belt", "shirt"]  
  
myPackingList[2] = "iPhone"  
  
print(myPackingList)
```

Output:

```
['books', 'jacket', 'iPhone', 'socks', 'belt', 'shirt']
```

4. Write out the python statements that determines if the value “shirt” is present in myPackingList and prints the message “Shirt are packed!”

```
myPackingList = ["books", "jacket", "iPad", "socks", "belt", "shirt"]
if "shirt" in myPackingList:
    print("Shirts are packed!")
```

Output:

Shirts are packed!

5. Write the python statements that creates a new list called myNewList and has 4 different items from myPackingList of your choosing. Then write the python statements that join myPackingList and myNewList into a new list called myJoinedList.

```
myPackingList = ["books", "jacket", "iPad", "socks", "belt", "shirt"]
myNewList= list(["books", "jacket", "iPad", "socks"])
myJoinedList = myNewList + myPackingList
print(myJoinedList)
```

Output:

['books', 'jacket', 'iPad', 'socks', 'books', 'jacket', 'iPad', 'socks', 'belt', 'shirt']

6. Write the python statement that creates a new dictionary called myPhoneBook that contains 7 people’s names and phone numbers.

```
myPhoneBook = {
    "Steven Universe": 1247899821,
    "Izuku Midoriya": 7777758888,
    "Walter White": 6642889999,
```

```
"BEEG YOSHI": 9999999321,  
"Lugi Mario": 3332221111,  
"Woomy Ngyes": 4444444453,  
"Link Hylian" : 4565600000  
}  
print(myPhoneBook)
```

7. Write the three different python statements that all accomplish the same thing that deletes the last person's name and phone number from the dictionary.

```
myPhoneBook.remove("Link Hylian")  
#note= myPhoneBook.remove doesn't work in Python for dictionaries  
myPhoneBook.pop("Link Hylian")  
del myPhoneBook["Link Hylian"]
```

8. Write the python statements that loops through myPhoneBook and prints the contents to the console window.

```
myPhoneBook = {  
"Steven Universe": 1247899821,  
"Izuku Midoriya": 7777758888,  
"Walter White": 6642889999,  
"BEEG YOSHI": 9999999321,  
"Lugi Mario": 3332221111,  
"Woomy Ngyes": 4444444453,  
"Link Hylian" : 4565600000  
}  
for name, number in myPhoneBook.items():  
    print(name, number)
```

Output:

```
Walter White 6642889999  
BEEG YOSHI 9999999321  
Izuku Midoriya 7777758888  
Link Hylian 4565600000  
Woomy Ngyes 4444444453  
Steven Universe 1247899821  
Lugi Mario 3332221111
```

9. Write the python statement that copies myPhoneBook to a new dictionary called myNewDictionary

```
myPhoneBook = {  
    "Steven Universe": 1247899821,  
    "Izuku Midoriya": 7777758888,  
    "Walter White": 6642889999,  
    "BEEG YOSHI": 9999999321,  
    "Lugi Mario": 3332221111,  
    "Woomy Ngyes": 4444444453,  
    "Link Hylian" : 4565600000  
}  
myNewDictionary = myPhoneBook.copy()  
print(myNewDictionary)
```

Output:

```
{'Izuku Midoriya': 7777758888, 'Walter White': 6642889999, 'Lugi Mario':  
3332221111, 'BEEG YOSHI': 9999999321, 'Steven Universe': 1247899821, 'Woomy  
Ngyes': 4444444453, 'Link Hylian': 4565600000}
```

10. Write the python statement that adds a new person's name to myPhoneBook.

```
myPhoneBook = {  
    "Steven Universe": 1247899821,  
    "Izuku Midoriya": 7777758888,  
    "Walter White": 6642889999,  
    "BEEG YOSHI": 9999999321,  
    "Lugi Mario": 3332221111,  
    "Woomy Ngyes": 4444444453,  
    "Link Hylian" : 4565600000  
}  
myPhoneBook["Big Toot"] = 123456789  
print(myPhoneBook)
```

Output:

```
{'Lugi Mario': 3332221111, 'Walter White': 6642889999, 'Link Hylian':  
4565600000, 'Steven Universe': 1247899821, 'Big Toot': 1234567890, 'BEEG  
YOSHI': 9999999321, 'Woomy Ngyes': 4444444453, 'Izuku Midoriya': 7777758888}
```