Python HW #2

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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.popitem()

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}