

Saaqib Rahman

DSGN 606 Final Project: Python Dictionary Loop for a Character Biographical Template

For my final project, I decided to write a code for a Dictionary Loop in Python that would generate an organized template for a proposed character biography. The reason why I've chosen Dictionaries as my primary focus here is because I particularly found it to be the most rewarding and beneficial of all of the concepts that I have learned in this class. My inspiration for such an idea came about as a result of my innate passion for writing my very own stories and even crafting my very own fictional characters from scratch in the process. I always begin developing these characters first off by coming up with basic background biographical information about them such as their name, gender, age, appearance, and occupation. That said, I therefore decided for my final project to write a detailed code for an ordered dictionary that will produce a complete template containing all of the specified items and display all of a character's inputted content in a structured format when executed.

```
#samplecharacterbiolol dictionary items containing biographical information for my first constructed fictional character named Johnathan Gardner.
samplecharacterbiolol = {"charactername1": [Name]: Johnathan Gardner, "charactergender1": [Gender]: Male, "characterage1": [Age]: 19, "characterhaircolor1": [Hair Color]: Black, "charactereyecolor1": [Eye Color]: Blue' }

#assigned variables: 'a' for representing the keys of the "samplecharacterbiolol" dictionary's items and 'b' for representing the descriptive values of its items.
a = samplecharacterbiolol.keys()
b = samplecharacterbiolol.values()

#Two additional items added to the already existing "samplecharacterbiolol" dictionary.
samplecharacterbiolol["characteroccupation1"] = '[Occupation]: University Student'

samplecharacterbiolol["charactermajor1"] = '[Major]: Psychology'

#for statement for running these lines of code in order to display the values for the "samplecharacterbiolol" dictionary in a top to bottom structured format.
for a, b in samplecharacterbiolol.items():
    if "characterhaircolor1" in samplecharacterbiolol:
        print(b)
    elif "characteroccupation1" in samplecharacterbiolol:
        print(a, b)
    else:
        print(a)

print() #adds a blank line of space separating the two dictionaries when the code is executed.

#samplecharacterbiolol2 dictionary items containing biographical information for my second constructed fictional character named Allison Walters.
samplecharacterbiolol2 = {"charactername2": [Name]: Allison Walters, "charactergender2": [Gender]: Female, "characterage2": [Age]: 23, "characterhaircolor2": [Hair Color]: Brown, "charactereyecolor2": [Eye Color]: Green' }

#assigned variables: 'c' for representing the keys of the "samplecharacterbiolol2" dictionary's items and 'd' for representing the descriptive values of its items.
c = samplecharacterbiolol2.keys()
d = samplecharacterbiolol2.values()

#Two additional items added to the already existing "samplecharacterbiolol2" dictionary.
samplecharacterbiolol2["characteroccupation2"] = '[Occupation]: Doctor'

samplecharacterbiolol2["characterdepartment2"] = '[Department]: Optometry'

#for statement for running these lines of code in order to display the values for the "samplecharacterbiolol2" dictionary in a top to bottom structured format.
for c, d in samplecharacterbiolol2.items():
    if "charactermajor1" in samplecharacterbiolol2:
        print(c, d)
    elif "characterhobby2" in samplecharacterbiolol2:
        print(c)
    else:
        print(d)

print() #adds a blank line of space separating the two dictionaries when the code is executed.

#characterbiolinfo dictionary items containing a sequence of values inputted by the user in order to construct a fictional character of their very own through a series of prompts.
characterbiolinfo = { "name":input('I hope you liked those two sample character biography templates that I provided as reference! How about trying your hand at constructing your very own character with these few simple steps!')
                    #lets start by asking you enter a name for your envisioned character. (Please Enter a Name For Your Character): ', gender:input('What is your character's gender? (Enter four character's gender): '),
                    #age:input('How old is your character? (Please Enter a Number for your character's age): '), hair:input('What is the hair color of your character? (Enter four character's hair): '),
                    #eye color:input('What is the color of your character's eyes? (Enter an eye color for your character): ') }

#assigned variables: 'e' for representing the keys of the "characterbiolinfo" dictionary's items and 'f' for representing the descriptive values of its items.
e = characterbiolinfo.keys()
```

```
#samplecharacterbio2 dictionary items containing biographical information for my second constructed fictional character named Allison Walters.
samplecharacterbio2 = {'Charactername2': ['Names']: 'Allison Walters', 'Charactergender2': ['Gender']: 'Female', 'Characterage2': ['Age']: 23, 'Characterhaircolor2': ['Hair Color]: Brown', 'Charactereyecolor2': ['Eye Color]: Green' }

#assigned variables: 'c' for representing the keys of the "samplecharacterbio2" dictionary's items and 'd' for representing the descriptive values of its items.
c = samplecharacterbio2.keys()
d = samplecharacterbio2.values()

#Two additional items added to the already existing "samplecharacterbio2" dictionary.
samplecharacterbio2['Characteroccupations2'] = ' [Occupation]: Doctor'
samplecharacterbio2['Characterdepartment2'] = ' [Department]: Optometry'

#for statement for running these lines of code in order to display the values for the "samplecharacterbio2" dictionary in a top to bottom structured format.
for c, d in samplecharacterbio2.items():
    if "Charactermajor2" in samplecharacterbio2:
        print(c, d)
    elif "Characterbio2" in samplecharacterbio2:
        else:
            print(d)

print() #adds a blank line of space separating the two dictionaries when the code is executed.

#"Characterbioinfo" dictionary items containing a sequence of values inputted by the user in order to construct a fictional character of their very own through a series of prompts.
Characterbioinfo = { "Name":input('I hope you liked these two sample character biographies samples that I provided as references! How about trying your hand at constructing your very own character with these few simple steps!?' ),
                    "Age":input('What is your character's age? ') ,
                    "Gender":input('What is your character's gender? ') ,
                    "Eye Color":input('What is the color of your character's eyes? ') ,
                    "Hair Color":input('What is the color of your character's hair? ') ,
                    "Department":input('What is the name of the department in which your character works or what is the major that they are pursuing in school? ') ,
                    "Occupation":input('What is your character's occupation? ') ,
                    "Characterbioinfo":input('What is your character's bioinfo? ') }

#assigned variables: 'e' for representing the keys of the "Characterbioinfo" dictionary's items and 'f' for representing the descriptive values of its items.
e = Characterbioinfo.keys()
f = Characterbioinfo.values()

#Two additional items added to the already existing "Characterbioinfo" dictionary.
Characterbioinfo['Occupation'] = input('What is your character's occupation? ')
Characterbioinfo['Department/major'] = input('What is the name of the department in which your character works or what is the major that they are pursuing in school? ')

print()
#for statement for running these lines of code in order to display the values for the "Characterbioinfo" dictionary in a top to bottom structured format.
for e, f in Characterbioinfo.items():
    if "Characterbioinfo":
        print(e,f)
    elif "Characterbioinfo":
        print("Your character's", e, "is", f, ".")
    else:
        print(e, f)
```



```
Python 3.9.1 [tags/v3.9.1:11e5d33e, Dec 7 2020, 17:08:21] [MSC v.1927 64 bit (AMD64)] on win32
Type help(), copyright(), credits() or license() for more information.
```

```
>>>
>>> - RST&R&T: C:\Users\Unfur Rahman\Desktop\MyProject\CharacterBiographiesDictionary.py
```

```
[Name]: Johnathan Gardner
```

```
[Gender]: Male
```

```
[Age]: 24
```

```
[Eye Color]: Black
```

```
[Hair Color]: Blue
```

```
[Occupation]: University Student
```

```
[Major]: Psychology
```

```
[Name]: Allison Walters
```

```
[Gender]: Female
```

```
[Age]: 23
```

```
[Hair Color]: Brown
```

```
[Eye Color]: Green
```

```
[Occupation]: Doctor
```

```
[Department]: Optometry
```

```
I hope you liked those two sample Character Biography templates that I provided as reference! Now about trying your hand at constructing your very own Character with these few simple steps! Let's start by having you enter a name for your envisioned character! (Please Enter A Name For Your Character): Marvin Miller
```

```
Now enter your character's gender! (Enter Gender): Male
```

```
Now old is your character? (Enter Your Character's Age): 24
```

```
Now what is the color of your character's hair? (Enter A Hair Color For Your Character): Blue
```

```
What is the color of your character's eyes? (Enter An Eye Color For Your Character): Green
```

```
What is your character's occupation? (Enter Your Character's Occupation): University Professor
```

```
What is the name of the department in which your character works or what is the major that they are pursuing in school? (Enter Either Your Character's Work Department or School Major): Computer Science
```

```
Your character's name is Marvin Miller .
```

```
Your character's gender is Male .
```

```
Your character's age is 24 .
```

```
Your character's hair color is Blue .
```

```
Your character's eye color is Green .
```

```
Your character's occupation is University Professor .
```

```
Your character's department/major is Computer Science .
```

```
>>>
```