

Michael Bullock

Python on AWS

Dictionary | Lab Cakes

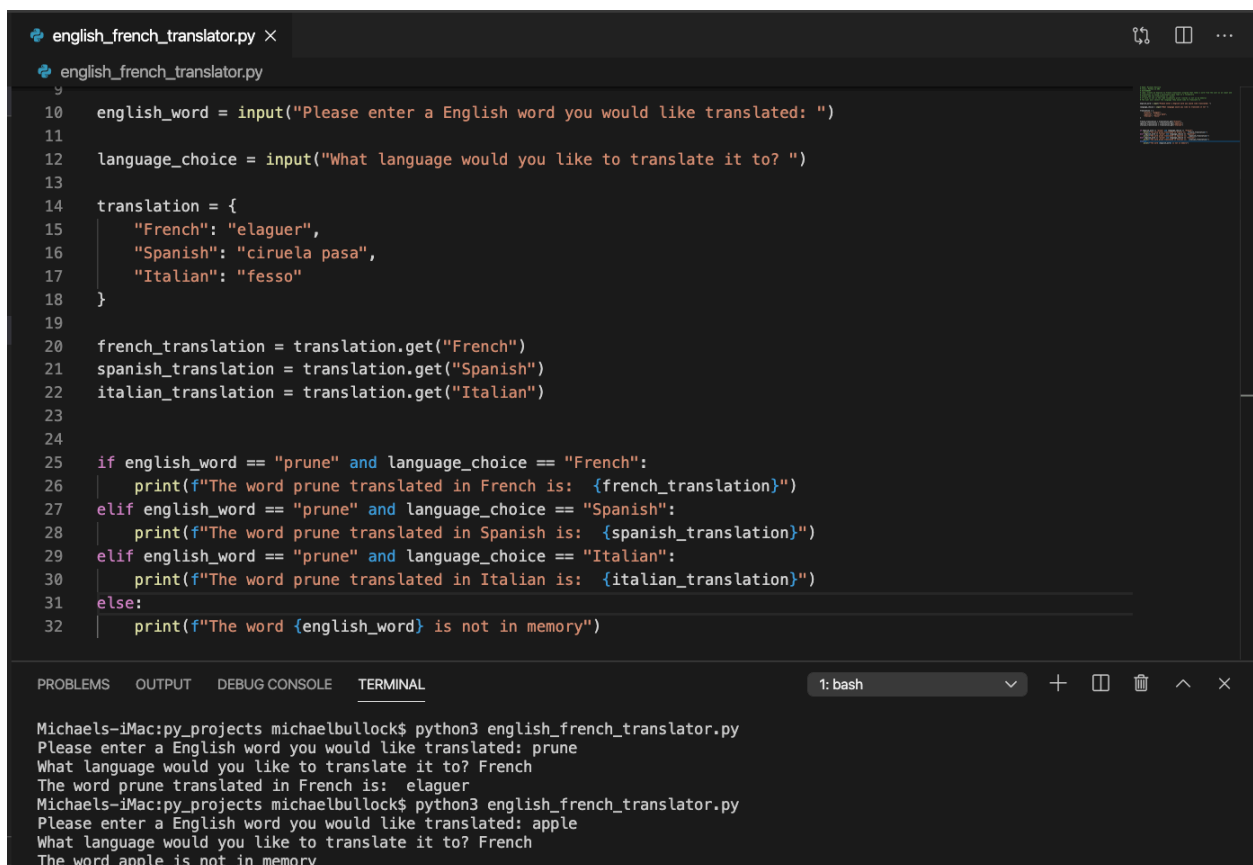
HOMEWORK1:

Create an English to **French** translator program.

The program takes a word from the user as an input and translates it using a *dictionary data type* as a vocabulary. Please add the translation of 'prune' in your homework ☺.

If word is not in the code vocabulary print {word} is not in my memory)

The user will select the language they would to translate to (optional)



```
english_french_translator.py
10 english_word = input("Please enter a English word you would like translated: ")
11
12 language_choice = input("What language would you like to translate it to? ")
13
14 translation = {
15     "French": "elaguer",
16     "Spanish": "ciruela pasa",
17     "Italian": "fesso"
18 }
19
20 french_translation = translation.get("French")
21 spanish_translation = translation.get("Spanish")
22 italian_translation = translation.get("Italian")
23
24
25 if english_word == "prune" and language_choice == "French":
26     print(f"The word prune translated in French is: {french_translation}")
27 elif english_word == "prune" and language_choice == "Spanish":
28     print(f"The word prune translated in Spanish is: {spanish_translation}")
29 elif english_word == "prune" and language_choice == "Italian":
30     print(f"The word prune translated in Italian is: {italian_translation}")
31 else:
32     print(f"The word {english_word} is not in memory")

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
1: bash
Michaels-iMac:py_projects michaelbullock$ python3 english_french_translator.py
Please enter a English word you would like translated: prune
What language would you like to translate it to? French
The word prune translated in French is: elaguer
Michaels-iMac:py_projects michaelbullock$ python3 english_french_translator.py
Please enter a English word you would like translated: apple
What language would you like to translate it to? French
The word apple is not in memory
```

HOMEWORK2:

Print out the **last name** of the second employee. Please search through the dictionary below: **Alexandra ☺

```
d = {"employees":[{"firstName": "John", "lastName": "Doe"},
                  {"firstName": "Anna", "lastName": "Smith"},
                  {"firstName": "Peter", "lastName": "Jones"}],
     "owners":[{"firstName": "Jack", "lastName": "Petter"},
              {"firstName": "Jessy", "lastName": "Petter"}]}
```

```
english_french_translator.py  dictionary_last_name.py X
dictionary_last_name.py
1  # Name: Michael Bullock
2  # Class: Python on AWS
3  # DICTIONARY
4  # Lab2: Print out the last name of the second employee. Please search through the dictionary below:
5
6  d = {"employees":[{"firstName": "John", "lastName": "Doe"},
7          {"firstName": "Anna", "lastName": "Smith"},
8          {"firstName": "Peter", "lastName": "Jones"}],
9      "owners":[{"firstName": "Jack", "lastName": "Petter"},
10             {"firstName": "Jessy", "lastName": "Petter"}]}
11
12
13 # access the variable d to get to the "employees" dictionary which is made up of a list
14 # once you access the employee dictionary map to index 1 and extract the value of the lastName Key
15 print(d['employees'][1]["lastName"])

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  1: bash
Michael's-iMac:py_projects michaelbullock$ python3 dictionary_last_name.py
Smith
```