oject-1a-english-dictionary-app

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0.1 1A: English Dictionary App

0.1.1 This project uses the skills learnt from week 1 to week 6. The aim of this project is to create an English Dictionary app that returns definitions of English words.When the application is started, it displays a menu as follows:

Main Menu

1. Add a new word

2.Find the meaning

3.Update a word

4.Exit

Enter Choice:

If item 1 is selected, it should prompt for a word and then accept its meaning. This pair of word and its meaning should be stored in a file called 'words.txt'.

When item 2 is selected, it should prompt for a word, search that word in the file 'words.txt' and return the meaning if it is found. If the meaning is not found, it should display an appropriate message.

Similarly, when choice 3 is entered, it should accept a word and update its meaning. In all the above three cases, the prompt should return to the main menu. The words and their meanings should be stored as a dictionary in words.txt, using the concept of serialization.

If choice 4 is selected, a graceful exit should be performed.

[4]:
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import json

print('******Welcome to the Dictionary App******')
print('Please select your choice in Mani Menu')
print('1. Add a new word')
print('2. Find the meaning')
print('3. Update the word')
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print('4. Exit')


f = open('words.txt','w')
dict_coll = {}
json.dump(dict_coll,f)
f.close()

while True:
    n = int(input('Enter the Choice:'))
    if n == 1:
        f = open('words.txt','w')
        word = input('Enter a word : ')
        meaning = input('Enter its meaning : ')
        dict_coll[word] = meaning
        json.dump(dict_coll,f)
        f.close()

    elif n == 2:
        f = open('words.txt','r+')
        dic = json.load(f)
        find = input('Enter the word to find: ')
        if find in dict_coll:
            print('The',find,'meaning is',dict_coll.get(find))
        else:
            print('Entered word is not found')
        json.dump(dict_coll,f)
        f.close()
    elif n == 3:
        f = open('words.txt','r+')
        word1 = input('Enter the word you want to update:')
        if word1 in dict_coll:
            update = input('Enter the update the meaning: ')
            dict_coll[word1] = update
        else:
            print('Entered word is not found')
        json.dump(dict_coll,f)
        f.close()
    elif n == 4:
        print('******Thank you for choosing Dictionary app******')
        break
    else:
        print('Please enter the mentioned choice')
        print('1. Add a new word:')
        print('2. Find the meaning:')
        print('3. Update the word:')
        print('4. Exit:')
```

```
******Welcome to the Dictionary App******
Please select your choice in Mani Menu
1. Add a new word
2. Find the meaning
3. Update the word
4. Exit
Enter the Choice:1
Enter a word : Alacrity
Enter its meaning : Speed and eagerness
Enter the Choice:1
Enter a word : decline
Enter its meaning : To gradually become less, worse, or lower
Enter the Choice:1
Enter a word : buck
Enter its meaning : dollor
Enter the Choice:2
Enter the word to find: buck
The buck meaning is dollor
Enter the Choice:3
Enter the word you want to update:Dollar is a American currency or money
Entered word is not found
Enter the Choice:3
Enter the word you want to update:affix
Entered word is not found
Enter the Choice:4
******Thank you for choosing Dictionary app******
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