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1  #Dictionaries Challenge 21: Thesaurus App
2  import random
3
4  #Define the thesaurus
5  thesaurus = {
6      "hot":["balmy", 'summersy', 'tropical', 'boiling', 'scorching'],
7      "cold":["chilly", 'cool', 'freezing', 'frigid', 'polar'],
8      "happy":["content", 'cheery', 'merry', 'jovial', 'jocular'],
9      "sad":["unhappy', 'downcast', 'miserable', 'glum', 'melancholy'],
10     }
11
12 #Print welcome information
13 print("Welcome to the Thesaurus App!")
14 print("\nChoose a word from the thesaurus and I will give you a synonym.")
15 print("\nHere are the words in the thesaurus: ")
16 for key in thesaurus.keys():
17     print("\t-" + key)
18
19 #Get user input
20 choice = input("\nWhat word would you like a synonym for: ").lower().strip()
21
22 #Provide a random synonym
23 if choice in thesaurus.keys():
24     index = random.randint(0,4)
25     print("A synonym for " + choice + " is " + thesaurus[choice][index] + ".")
26 else:
27     print("I'm sorry, that word is not currently in the thesaurus.")
28
29 #Get user input to see the whole thesaurus
30 choice = input("\nWould you like to see the whole thesaurus (yes/no): ").lower().strip()
31
32 #Show all values in the thesaurus
33 if choice == 'yes':
34     for key, values in thesaurus.items():
35         print("\n" + key.title() + " synonyms are: ")
36         for value in values:
37             print("\t-" + value)
38 else:
39     print("\nI hope you enjoyed the program. Thank you!")

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