

Dictionaries Challenge 21: Thesaurus App

Description:

You are responsible for writing a program that simulates a thesaurus. Your program will present a user with a list of words that your thesaurus contains. Based on the users choice, you will randomly present them with a synonym for their chosen word. Lastly, your program will display all of the potential synonyms for each word in the thesaurus.

Step By Step Guide:

- Create a dictionary called "thesaurus".
 - You must have a minimum of four keys in the dictionary.
 - Each key should be a **string** of a word of your choice.
 - The associated values for each key should be a **list** containing five synonyms for the key.
- For example, my dictionary includes:
 - "hot":["balmy", 'summers', 'tropical', 'boiling', 'scorching'],
 - "cold":["chilly", 'cool', 'freezing', 'frigid', 'polar'],
 - "happy":["content", 'cheery', 'merry', 'jovial', 'jocular'],
 - "sad":["unhappy", 'downcast', 'miserable', 'glum', 'melancholy'],
- Print a welcome message.
- Print what words are in your thesaurus.
 - This is represented by the keys of your dictionary
- Ask the user what word they would like to get a synonym for.
- If the users choice is in the thesaurus:
 - Chose a random synonym from the list containing the synonyms for the word.
 - Type import random as the first line of your program.
 - Display the information.
- Else, the word is not in the dictionary:
 - Inform the user.
- Ask the user if they would like to see the whole thesaurus.
 - This is represented by both the keys and values.
- If yes:
 - Display the whole dictionary following the format below.
- Else:
 - Print a goodbye message
- Use at least 2 comments to describe sections of your code.
- "Chunk" your code so that is readable.
- Use appropriate and informative variable names.
- Format your output as below.

Example Output 1:

Welcome to the Thesaurus App!

Choose a word from the thesaurus and I will give you a synonym.

Here are the words in the thesaurus:

- hot
- cold
- happy
- sad

What word would you like a synonym for: Hot

A synonym for hot is boiling.

Would you like to see the whole thesaurus (yes/no): yes

Hot synonyms are:

- balmy
- summery
- tropical
- boiling
- scorching

Cold synonyms are:

- chilly
- cool
- freezing
- frigid
- polar

Happy synonyms are:

- content
- cheery
- merry
- jovial
- jocular

Sad synonyms are:

- unhappy
- downcast
- miserable
- glum
- melancholy

Example Output 2:

Welcome to the Thesaurus App!

Choose a word from the thesaurus and I will give you a synonym.

Here are the words in the thesaurus:

-hot

-cold

-happy

-sad

What word would you like a synonym for: mad

I'm sorry, that word is not currently in the thesaurus.

Would you like to see the whole thesaurus (yes/no): no

I hope you enjoyed the program. Thank you!