DICTIONARY RELATED QUESTIONS TO SOLVE AND SUBMITTED BY 5TH JANUARY 2023 2:30 PM

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1. Create a program that:
    - Creates a dictionary to store a person's information (name, age, city, etc.)
    - Allows the user to input the values for each key
    - Prints a formatted summary of the person's information
2. Write a program that:
    - Creates a dictionary to store product names and prices
    - Allows the user to add new products and prices
    - Allows the user to update existing product prices
    - Allows the user to search for a product by name and display its price
3. Create a program that:
    - Takes a list of words as input
    - Counts the occurrences of each word
    - Stores the word counts in a dictionary
    - Prints the dictionary in descending order of word count
4. Write a program that:
    - Merges two dictionaries into a single dictionary
    - Resolves any key conflicts by combining values into lists or using a custom logic
5. Create a program that:
    - Takes a dictionary as input
    - Finds the key with the highest value
    - Prints both the key and its value
6. Write a program that:
    - Creates a nested dictionary to represent a multi-level structure (e.g., a company's departments and employees)
    - Allows the user to add, remove, or modify elements within the nested structure
7. Create a program that:
    - Takes a string as input
    - Counts the frequency of each character
    - Stores the character frequencies in a dictionary
    - Prints the dictionary in alphabetical order of characters

8. Write a program that:

- Inverts a dictionary, where keys become values and values become keys
- Addresses potential issues with duplicate values

9. Create a program that:

- Filters a dictionary based on a specified condition (e.g., values greater than a certain threshold)
- Returns a new dictionary containing only the filtered key-value pairs

10. Write a program that:

- Takes two dictionaries as input
- Finds the keys that are present in both dictionaries
- Stores the common keys and their corresponding values in a new dictionary