

Exercise Questions on Dictionaries

1. Country Capitals Dictionary

- Create a dictionary that stores 5 countries as keys and their capitals as values.
- Print all keys, values, and key-value pairs separately.

2. Character Frequency Counter

- Write a program that takes a string input from the user and counts the frequency of each character using a dictionary.
- Print the dictionary where keys are characters and values are their frequencies.

3. Student Score Analyzer

- Create a dictionary where student names are keys and their scores (out of 100) are values.
- Find and print the name of the student with the highest score.

4. Merging Two Dictionaries

- Create two dictionaries with some key-value pairs.
- Merge both dictionaries into one and print the updated dictionary.

5. Word Count in a Sentence

- Take a sentence input from the user.
- Count the occurrences of each word in the sentence using a dictionary.
- Print the word frequency dictionary.