

Programming Challenges

1. **Creating a Map:**

Write a Java class method to create a map that stores the population of different countries. The program should prompt the user to enter the name of a country and its population. After inputting data for multiple countries, the program should display the entire map with country names as keys and their respective populations as values.

2. **Reading from a Map:**

Given a map that stores student names and their corresponding scores in a subject, write a Java program to find the highest-scoring student. The program should iterate through the map and print the name of the student with the highest score.

3. **Updating Values in a Map:**

Write a Java class method to simulate a shopping cart using a map. The map should store items as keys and their quantities as values. Implement methods to add items to the cart, update quantities of items, and display the current contents of the cart. Ensure that adding the same item multiple times increments its quantity accordingly.

4. **Deleting Values from a Map:**

Write a Java class method that simulates a dictionary using a map. The program should allow users to add new words and their meanings to the dictionary, search for the meaning of a word, and delete words from the dictionary. After each operation, display the updated dictionary contents.