**Sets Practice Questions:**

**Basic:**

1. Create a set containing the characters in the string "hello world".
2. Check if the letter 'a' is in the set you created in question 1.
3. Add the number 5 to the set and remove the element 'd' (if it exists).
4. Iterate over the elements in the set and print them in descending order (hint: sets are unordered, so you'll need to convert them to a list first).

**Intermediate:**

5. Find the intersection of two sets: `{1, 3, 5}` and `{2, 4, 5}`.
6. Find the difference between two sets: `{apple, banana, orange}` and `{banana, grape, kiwi}`.
7. Combine two sets using the union operation to get all unique elements.
8. Create a new set containing all even numbers between 1 and 10 (inclusive).

**Advanced:**

9. Check if one set is a subset of another set.
10. Remove all duplicates from a list using sets.
11. Write a function that takes a list of words and returns a set of unique words (ignoring case).

**Dictionaries Practice Questions:**

**Basic:**

1. Create a dictionary to store information about a book, including title, author, and year published.
2. Access the value associated with the key "author" in the dictionary you created in question 1.

3. Update the value for the key "year published" to 2024.
4. Check if the key "genre" exists in the dictionary.
5. Iterate over the key-value pairs in the dictionary and print them in a formatted way (e.g., "Title: {title}, Author: {author}").

**Intermediate:**

6. Merge two dictionaries: one containing student information (name, age) and another containing course information (course name, grade).
7. Get the value for the key "grade" using a default value of "N/A" if the key is missing.
8. Remove a key-value pair from the dictionary.

**Advanced:**

9. Count the occurrences of each word in a sentence using a dictionary.
10. Sort a dictionary by its keys or values.
11. Write a function that takes a list of dictionaries (representing products) and returns a dictionary where keys are product categories and values are lists of products in that category.