Assignment 6C – Quiz Functionality with Dictionary Operations & Sequence Unpacking

**Name:**   
**Date:** August 2, 2025  
**Purpose:** Extend the PDS Management System by embedding a **dictionary‑based quiz** to test understanding of dictionary operations, inspired by the GeeksforGeeks Python Dictionary Quiz. Demonstrates use of nested dictionaries, sequence unpacking, \*args/\*\*kwargs, and dictionary lookup.

**Marks: 8/10**

**Team mates: (Group-1)**

1. **G Praveen kumar (22MID0300)**
2. **Manaswitha**
3. **Vithun**
4. **Devi**
5. **Rohit**

**Part-1:**

**Concepts Used from GeeksforGeeks Dictionary Interview Questions**

In this project, I used some of the ideas I learned from the GeeksforGeeks "Top 30 Python Dictionary Interview Questions" page.

1. Nested Dictionary

I learned how to store detailed info using dictionaries inside a dictionary. So I used that to create a quiz where each question has its own data like options and the correct answer.

1. Looping through Dictionary with .items()

I used .items() to loop through the quiz questions. This helped me get both the question number and its details easily in the loop.

1. Unpacking Key and Value

From the examples, I saw how we can unpack the key and value directly in the for loop (like for key, value in dict.items()). I used this to neatly access question IDs and question info.

1. Dictionary Updates and Access

I understood how we can change values in a dictionary or get values safely. Even though I didn’t use .get() here, learning about it helped me think about safe access.

**Part-B (Quiz)**



















