

Python Interactive Bootcamp Practice Task 3

Task Title: Build a Student Record System

Create a Python program that acts as a simple student record system. The program should allow users to perform the following actions:

- **Add a Student:**
 1. Prompt the user to enter the student's name, roll number, and a list of subjects they are studying.
 2. Store this information in a dictionary where the roll number is the key, and the value is a dictionary containing the student's name and subjects as a list.
 3. Make sure that roll numbers are unique.
- **Display Student Information:**
 1. Prompt the user to enter a roll number.
 2. Display the student's name and the list of subjects they are studying.
- **List All Students:**
 1. List all the students in the system, including their roll number, name, and subjects.
- **Delete a Student:**
 1. Prompt the user to enter a roll number.
 2. Remove the student with the given roll number from the system.
- **Quit:**
 1. Exit the program.

Requirements:

Use functions to modularize your code.

Use a dictionary to store student information.

Use lists to store subjects for each student.

Sample Menu:

Welcome to the Student Record System!

1. Add a Student
2. Display Student Information
3. List All Students
4. Delete a Student
5. Quit

Please enter your choice: