

## PHP Coding PRACTICE Test 2C [2 questions in this practice test.]

### INSTRUCTIONS:

1. Create a folder in the www folder and rename it using your student number
  2. This folder will be your solutions folder in which you must save all your solutions to this test, including an MS word file containg screenshots (see #3)
  3. Create a new MS Word file and save it in your solutions folder using your students number as follows: "2212345-ScreenShots". Use this file to save the screenshots as required by these test questions
  4. At the end of the test, close all open files, zip the solutions folder and get ready to upload to BB when the time come.
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### Question 1 Scenario:

You are developing a simple task management system for a small team. This system will allow the team to add new tasks, view a list of all tasks, and mark tasks as completed. You will create a basic web application using PHP and MySQL to implement these features.

### Requirements:

#### 1.1. Database Setup:

- Create a MySQL database named `task\_management`.
- Within this database, create a table named `tasks` with the following columns:
  - `id`
  - `task\_name`
  - `description`
  - `status` (default 'Pending')
  - `created\_at` (TIMESTAMP, default current timestamp)

#### 1.2. PHP Script for Adding Tasks:

- Create a PHP script named `add\_task.php`. This script should include a form to capture task details (task name, description) and insert these details into the `tasks` table in the database.
- Ensure that the form includes validation to check that all fields are filled in.

#### 1.3. PHP Script for Viewing Tasks:

- Create a PHP script named `view\_tasks.php`. This script should display a list of all tasks from the `tasks` table in a tabular format.
- Each row should display the task name, description, status, and the date the task was added.

#### 1.4. PHP Script for Marking Tasks as Completed:

- Create a PHP script named `complete\_task.php`. This script should allow users to mark a task as completed based on the task's ID.

- The `view_tasks.php` script should include a "Complete" button for each task row, which redirects to the `complete_task.php` script to update the task status to 'Completed'.

#### Evaluation Criteria:

- Correctness: The PHP scripts should correctly interact with the MySQL database to perform the required operations (adding, viewing, and marking tasks as completed).
  - Code Quality: The code should be well-organized, properly commented, and follow best practices for PHP development.
  - Validation: The form in `add_task.php` should include proper validation to ensure data integrity.
  - User Experience: The user interface for the form and the task list should be user-friendly and intuitive.
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#### PHP Text File Handling

##### Question 2 Scenario:

You are developing a simple guestbook application. This application will allow users to sign the guestbook, view entries, and clear the guestbook.

##### Requirements:

###### 2.1. PHP Script for Signing Guestbook (*sign\_guestbook.php*):

- Create a PHP script that includes a form to capture guest details (name, message).
- Append these details to a text file named `guestbook.txt`.
- Ensure validation to check that all fields are filled in.

###### 2.2. PHP Script for Viewing Guestbook Entries (*view\_guestbook.php*):

- Create a PHP script that reads from `guestbook.txt` and displays the entries in a tabular format.
- Each row should display the guest name, message, and timestamp.

###### 2.3. PHP Script for Clearing Guestbook (*clear\_guestbook.php*):

- Create a PHP script that allows users to clear all entries in the guestbook.
- Implement functionality to empty `guestbook.txt`.

#### Evaluation Criteria:

- Correctness: Scripts should handle file operations accurately (adding, viewing, clearing).
- Code Quality: Code should be well-organized, properly commented, and follow best practices.
- Validation: Proper form validation to ensure data integrity.
- User Experience: User-friendly and intuitive interface for the form and entries display.

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