

COMP 1006 - Winter 2026

LAB FOUR – CREATE & READ

To Complete This Lab:

A client has asked you to help them set up a simple email subscription feature for their website so they can start building a mailing list. They already have a basic subscription form, but they need the backend functionality to store subscriber information in a database and view a list of subscribers. You have been given starter code ([Course Repository > Assignments > Labs > Lab Four](#)) that includes TODO comments to guide you through the process. Your task is to complete the missing code using PDO prepared statements to insert subscriber data into the database and retrieve it for display.

Learning Objectives:

- design, program, and implement Web pages that interact with Web-enabled databases performing simple CRUD (Create, Read, Update, Delete) operations;

Assessment:

	Not Quite	Getting There	Awesome
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PDO CREATE (INSERT)	0 No / Not demonstrated. Subscriber data was not inserted into the database or PDO was not used.	0.5 Almost / Somewhat demonstrated. An INSERT statement was attempted using PDO, but the prepared statement was incomplete or contained errors.	1 Yes. A PDO prepared statement was correctly used to insert subscriber data into the database.
PDO READ (Select)	0 No / Not demonstrated. Subscriber data was not retrieved from the database or PDO was not used.	0.5 Almost / Somewhat demonstrated. A SELECT query retrieved data, but required PDO steps (prepare, execute, fetch) were missing or incorrect.	1 Yes. A PDO prepared statement was correctly used to retrieve subscriber data from the database.
Database Output Displayed	0 No / Not demonstrated. Database data was not displayed on the page.	0.5 Almost / Somewhat demonstrated. Some subscriber data was displayed, but output was incomplete or unclear.	1 Yes. Subscriber data retrieved from the database was clearly displayed on the page.
PHP Code Was Valid and Well-Formatted	0 No / Not demonstrated. PHP code contained major syntax errors or did not run.	0.5 Almost / Somewhat demonstrated. PHP code ran but formatting or structure could be improved.	1 Yes. PHP code was valid, readable, and reasonably well-organized.

Lab Due Date:

Section 01 - Friday, Feb 6th @ 11:59pm

Section 02 - Sunday, Feb 8th @ 11:59pm

Lab Weight:

2% of final grade

Submission Details:

Please submit the following:

1. a link to your Github Repository for this lab
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!important

Please ensure that any work you submit is your own unique and independent work. Work submitted that is found to be not your own unique, and independent work will be subjected to a grade of 0 and considered to be academic misconduct. **Do not use generative AI to complete this assignment!**