

HW4: PHP and MySQL

Due Date: November 26, 2022

1. Write PHP programs to:
 - Check if a password starts with a capital letter, contains at least one digit and its length is higher than 8 (using regular expressions).
 - Sort an array of strings ascending order.
 - Calculate the product of two matrices.
2. Write a PHP/MySQL program that supports books database. Your database should maintain fields for book information, where each book record must contain the book ID, book title, and book publisher. The web page should allow the user to add new books, list the books in the database, search the database using the user input, and edit book information. All your pages should contain a header with links to different pages. These pages should be:
 - Home – The main page lists all the books stored in the database with buttons to Edit or Delete each book.
 - Add a book – Adds a new book with a unique ID to the database.
 - Update a book – Allows the user to choose a book from a dropdown list to modify.
 - Delete a book – Allows the user to choose a book from a dropdown list to delete. The dropdown list contains all the books stored in the database. When clicking on the Delete button or choosing a record in the Delete a book page, a confirmation page containing the book information and message should be shown if the user is sure they would like to delete the record or not. The record should be deleted from the database if the user clicks a Confirmation button or directed to the main page if they wish to cancel the operation by clicking the Cancel button.



Submission:

Please publish your work on your *infinityfree* account, save the link on a text file with your name, id, and Homework# and submit it into Moodle with the entire source code as a one compressed file, no later than the due date.