

PHP For Beginners

Lab Exercise 9

1. Insure that your MAMP or WAMP server stack is downloaded, installed and running. You can download WAMP server for Windows at www.wampserver.com/en/. You can download MAMP server for Mac at www.mamp.info.
2. Set up an HTML document and embed an opening and closing PHP tag in the <body> section of the document. Save that document in your www folder (Windows) or htdocs folder (Macintosh) as described in the video lecture.
3. Create a database to track students and grades in a Computer Science Class. Create a database in MySQL as follows:

Database Name: CSClassData
Number of Tables: 1

4. In the CSClassData create a table called students. The table should have the following fields →
5. Enter fictional data for 10 students including a first name, last name, and grades for all 5 tests. (Grade on the standard scale of 0-100).
6. Create a database connection script that connects to your mysql database and the CSClassData Database you created.
7. Create a page called grade_list.php. On this page output all of the grades from the database by student. You should use a table for this.

lastName	varchar(40)
firstName	varchar(20)
test1Grade	int(3)
test2Grade	int(3)
test3Grade	int(3)
test4Grade	int(3)
finalExamGrade	int(3)

8. Once you have output all of the grades, add two columns in the table. The first column should contain the numerical average the student received by averaging the five grades.

The second new column should display their final grade in A-F form according to the following:

A 90-100
B 80-89
C 70-79
D 60-69
F Below 60

You should be able to add the final two columns with out altering anything in the database-- These will be calculated fields and not stored database fields.

8. Use CSS to make your output table more readable.

9. To the right of the calculated average and letter grade field add links to delete and edit pages. Call the delete page `grades_delete.php` and the update page `grades_update.php`.

10. Write PHP code to make the update and delete functional as demonstrated in the video lecture.

11. Make sure that pages are linked to each other so the user can easily navigate between functions in your completed PHP application.

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