

WEB 2 PROGRAMMING TUTORIAL 4

The tutorial has three parts.

- Creating the example scripts from the document “Web Forms and PHP”
- Answering the theory questions in part two. (some of these will require additional research on the Internet).
- Developing the practical scripts in part three.

This tutorial includes practical and theoretical questions. It will require you to answer some questions based on existing knowledge, discussions with the teacher and research on selected web sites.

If the question is a written answer questions insert some space at the end of the question and include your answer in blue text. If the question requires a PHP script to be created, create the script and save it for later submission.

Part 2 - Theory Questions

1. What is the difference between the post and get methods in XHTML Forms?
2. Develop a basic test plan to test the Arabic to Roman numeral conversion form.
3. Name and describe the functionality of 7 input “types” that can be used in XHTML forms

Part 3- Practical Questions

4. Create a single form that contains XHTML and PHP to provide the following functionality that might be used by a teacher to allocate a grade to a students work. The web page should include a form that:
 - a. Has Labels and associated text input elements to collect students’ Id, First Name and Last Name.
 - b. A list that includes the following subject names “Java 1”, “Database Development”, Web design”, and Mobile Apps” that the teacher can select before allocating a mark”
 - c. A text input to allow entry of the mark (allowable values are 0 to 100)
 - d. A submit button to indicate that data entry is complete.

The Web page should then provide the following validation:

- a. The PHP should validate the data entry to ensure a value is provided in each input.
- b. That the mark is between 0 and 100
- c. Display a message indicating any problems but retain the values in the page when the form is run a second time.
- d. Once all validation has been passed the following processing should take place.

Processing:

- e. Under the form items the script should output the following test to confirm the details. The students ID, Name, Subject, Mark, and Grade Where the Grades follow the rules set out below.

HD = 80 to 100, D = 70 to 79, C = 60 to 69, P = 50 to 59, N = 0 to 49