WEEK 12(Oct. 14th to 18th):

From validation rules table on the previous page, we see that the "Name", "E-mail", and "Gender" fields are required. These fields cannot be empty and must be filled out in the HTML form. Variables: $nameErr, $emailErr, $genderErr. These error variables will hold error messages for the required fields. We have also added an if else statement for each $\_POST variable. This checks if the $\_POST variable is empty (with the PHP empty() function). If it is empty, an error message is stored in the different error variables, and if it is not empty, it sends the user input data through the test\_input() function.

Field Validation Rules

Name Required. + Must only contain letters and whitespace

E-mail Required. + Must contain a valid email address (with @)

Website Optional. If present, it must contain a valid URL

Comment Optional. Multi-line input field (textarea)

Gender Required. Must select one

Then in the HTML form, we add a little script after each required field, which generates the correct error message if needed (that is if the user tries to submit the form without filling out the required fields).

Sometimes you need to change a variable from one data type into another, and sometimes you want a variable to have a specific data type. This can be done with casting.

PHP has a set of math functions that allows you to perform mathematical tasks on numbers.