

PHP resources are available at : <https://www.w3resource.com/php-exercises/php-basic-exercises.php>

**1. Write a PHP script to store files in a dedicated folder on server**

- a. Design a html page taking form input as( name, mobile no)
- b. Form should have an option of file upload
- c. Form should have a submit button
- d. On submit file should be stored in a directory on server
- e. User should receive upload successful or unsuccessful messages.

**2. Write a PHP Script to perform CRUD operation on MySQL database**

- a. Design a form to collect user information ( Name, DOB, Contact no, Email Id)
- b. Store all the data in a table in MySQL
- c. Fetch all the data and display on screen.
- d. Update the data
- e. Delete the user record.

**3. Write a php script to perform file handling operation**

- a. PHP File Handling
- b. PHP Open File
- c. PHP Read File open link
- d. PHP Write File
- e. PHP Append File
- f. PHP Delete File

**4. Write a php script to perform following operation**

- a. Print table of a number
- b. Print if prime or not
- c. Print if palindrome or not
- d. Print its factorial
- e. Print its Fibonacci series

**5. Write a php script to perform the following**

- a. Write a PHP script to get the client IP address
- b. Write a simple PHP browser detection script
- c. PHP program to check that emails are valid
- d. Write a PHP script to display source code of a webpage

6. Write a PHP program to that reads a date (dd/mm/yyyy) as input and prints the day of the date. Jan. 1, 2016, is Friday. Note Leap years are to be considered.
7. Write a PHP program which reads a text (only alphabetical characters and spaces.) and prints two words. The first one is the word which is arising most frequently in the text. The second one is the word which has the maximum number of letters.

A word is a sequence of letters which is separated by the spaces.

**Input:** A text is given in a line with following condition:

- a. The number of letters in the text is less than or equal to 1000.
- b. The number of letters in a word is less than or equal to 32.
- c. There is only one word which is arise most frequently in given text.
- d. There is only one word which has the maximum number of letters in given text. **Sample**

**Input:** Thank you for your comment and your participation.

Sample Output:

`your participation.`

## Html CSS and JAVASCRIPT

8. Write a tribute of someone you admire and publish as a webpage. This project will involve working with adding image, links, lists and paragraphs. This project will require knowledge of HTML to create. However, you can use a bit of CSS to make the project look better.
9. Design a Survey form for any new gadget in the market. The form data must be validated
10. Build a personal portfolio webpage.
11. Write a JavaScript program where the program takes a random integer between 1 to 10, the user is then prompted to input a guess number. If the user input matches with guess number, the program will display a message "Good Work" otherwise display a message "Not matched"
12. Write a JavaScript program to calculate number of days left until next Christmas. Take date as input from user.
13. JavaScript validation
  - a. Write a JavaScript function to validate whether a given value type is boolean or not

- b. Write a JavaScript function to validate whether a given value type is error or not
- c. Write a JavaScript function to validate whether a given value type is NaN or not
- d. Write a JavaScript function to validate whether a given value type is null or not
- e. Write a JavaScript function to validate whether a given value is number or not
- f. Write a JavaScript function to validate whether a given value is object or not.
- g. Write a JavaScript function to validate whether a given value is RegExp or not.
- h. Write a JavaScript function to validate whether a given value type is char or not.
- i. Write a JavaScript function to check whether given value types are same or not

**14. JavaScript validation on submit. Following pictorial shows in which field, what validation we want to impose.**

## Registration Form

User id:	<input type="text"/>	Required and must be of length 5 to 12.
Password:	<input type="password"/>	Required and must be of length 7 to 12.
Name:	<input type="text"/>	Required and alphabates only.
Address:	<input type="text"/>	Optional.
Country:	<input type="text" value="(Please select a country)"/>	Required. Must select a country.
ZIP Code:	<input type="text"/>	Required. Must be numeric only.
Email:	<input type="text"/>	Required. Must be a valid email.
Sex:	<input type="radio"/> Male <input type="radio"/> Female	Required.
Language:	<input checked="" type="checkbox"/> English <input type="checkbox"/> Non English	Required.
About:	<div><input type="text"/></div> <p>Optional.</p>	
<input type="button" value="Submit"/>		

**Create JavaScript functions (one for each input field whose value is to validate) which check whether a value submitted by user passes the validation.**

**15. Every computer connected to the Internet is identified by a unique four-part string, known as its Internet Protocol (IP) address. An IP address consists of four numbers (each between 0 and 255) separated by periods. The format of an IP address is a 32-bit numeric address written as four decimal numbers (called octets) separated by periods; each number can be written as 0 to 255 (e.g., 0.0.0.0 to 255.255.255.255).**

**Example of valid IP address**

- 115.42.150.37
- 192.168.0.1
- 110.234.52.124

**Example of invalid IP address**

- 210.110 – must have 4 octets
- 255 – must have 4 octets
- y.y.y.y – the only digit has allowed
- 255.0.0.y – the only digit has allowed
- 666.10.10.20 – digit must between [0-255]
- 4444.11.11.11 – digit must between [0-255]
- 33.3333.33.3 – digit must between [0-255]

**Write a JavaScript code to validate an IP address**

**16. Create static website of your choice and display the usage of different types of CSS.**

**17. Create a weather website using NODE JS**

**TUTORIAL:** <https://codeburst.io/build-a-weather-website-in-30-minutes-with-node-js-express-openweather-a317f904897b>

**18. CREATE A WEBSITE LIKE : <https://node-express-pug.herokuapp.com/> USING NODE JS**

**TUTORIAL:** <https://freshman.tech/learn-node/>

**19. USING XSLT transform an XML document into HTML.**

Example 1: [https://www.w3schools.com/xml/xml\\_xslt.asp](https://www.w3schools.com/xml/xml_xslt.asp)

Example2: <https://www.w3schools.com/xml/tryxslt.asp?xmlfile=catalog&xsltfile=catalog>

Example 3: <https://www.geeksforgeeks.org/displaying-xml-using-xslt/>

**20. For the above given XML documents write a XSD for schema validation.**

Example: <https://www.codeguru.com/java/article.php/c13529/XSD-Tutorial-XML-Schemas-For-Beginners.htm#page-1>

Example: [https://www.w3schools.com/xml/schema\\_facets.asp](https://www.w3schools.com/xml/schema_facets.asp)