



Computational Sciences Laboratory Manual

(Bachelor of Computer Application, 4th Semester, PHP and My SQL LAB, BCA49112)

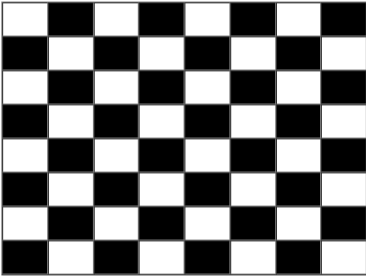
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1	<p>1. Create a php webpage and print your name.</p> <p>2. To write a program gets the name of the user from a form and show greeting text.</p> <p>Enter The Text: <input type="text"/> <input type="button" value="SUBMIT"/></p> <p>3. To write a program gets the name and phone no of the user from a form and show greeting text.</p> <p>Enter your Name: <input type="text"/> Enter Your Phone No. <input type="text"/> <input type="button" value="Submit"/></p>	8-10
2	<p>4. Create a php program to find odd or even number from given number.</p> <p>Enter Number: <input type="text"/> <input type="button" value="Submit"/> Enter number is 45 that number is Odd</p> <p>5. Write a php program to find maximum of three numbers.</p> <p>Enter 1st Number: <input type="text"/> Enter 2nd Number: <input type="text"/> Enter 3rd Number: <input type="text"/> <input type="button" value="Submit"/> Numbers are 12,30,4 Maximum num 30</p> <p>6. Write a PHP program to swap two numbers</p>	10-12



	<p>Enter 1st Number: <input type="text"/></p> <p>Enter 2nd Number: <input type="text"/></p> <p><input type="button" value="Submit"/></p> <p>1st Numbers is 34 2nd Number is 67 After Swap 1st Numbers is 67 2nd Number is 34</p>	
3	<p>7. Write a PHP program to compute give number multiplication table.</p> <p>Enter Number: <input type="text"/></p> <p><input type="button" value="Submit"/></p> <p>1 X 25= 25 2 X 25= 50 3 X 25= 75 4 X 25= 100 5 X 25= 125 6 X 25= 150 7 X 25= 175 8 X 25= 200 9 X 25= 225 10 X 25= 250</p> <p>8. Write a program to implement mathematical calculator.</p> <hr/> <p>Enter First Input: <input type="text"/></p> <p>Enter Second Input: <input type="text"/></p> <p>Enter Your Choice: <input type="button" value="--Choice--"/></p> <p><input type="button" value="Submit"/></p> <p>Addition of 12,45 is 57</p> <p>9. Write PHP program to display current date and display using getdate() function.</p>	12-14
4	<p>10. Write a php program to check whether given number is palindrome or not.</p> <p>Enter Number : <input type="text"/></p> <p><input type="button" value="Submit"/></p> <p>15451 is a Palindrome number</p> <p>11. Write a php program to check whether given number is Armstrong or not.</p> <hr/> <p>Enter Number : <input type="text"/></p> <p><input type="button" value="Submit"/></p> <p>371 is a an Armstrong Number</p> <p>12. PHP Program to display digital clock with current time of the Server.</p> <hr/> <p>Now Time is : 20:00:34</p>	14-16



5	<p>13. Write a program that displays a different message based on time of day. For example page should display “Good Morning” if it is accessed in the morning.</p> <p style="text-align: center;">Good evening!</p> <p>14. Write a PHP script for the following: Design a form to accept a string. Write a function to count the total number of vowels (a,e,i,o,u) from the string. Show the occurrences of each vowel from the string.</p> <p style="text-align: center;">Enter Word : <input type="text"/> <input type="button" value="Submit"/> e - position is 0 u - position is 2 a - position is 4 i - position is 6 o - position is 7 education - have No. of Vowels are 5</p> <p>15. Write a php program to check whether given number is String palindrome or not.</p>	16-18
6	<p>16. Write a program to create Chess board in PHP using for loop</p>  <p>17. Write a program to calculate Electricity bill in PHP Conditions:</p> <ul style="list-style-type: none"> • For first 50 units – Rs. 3.50/unit • For next 100 units – Rs. 4.00/unit • For next 100 units – Rs. 5.20/unit • For units above 250 – Rs. 6.50/unit <p>You can use conditional statements.</p> <p style="text-align: center;">Php - Calculate Electricity Bill Enter Units : <input type="text" value="Please enter no. of Units"/> <input type="button" value="Submit"/> Total amount of 125 - 445.00</p> <p>18. Write a PHP Script to find out the Sum of the Individual Digits.</p> <p style="text-align: center;">Php - Sum of the Individual Digits Enter Number : <input type="text" value="Please enter number"/> <input type="button" value="Submit"/> Sum of the Individual Digits of 567 - 18</p>	18-20



7	<p>19. Write a PHP Script to find the factorial of a given number</p> <p style="text-align: center;">Php - Factorial</p> <p style="text-align: center;">Enter Number : <input type="text" value="Please enter number"/></p> <p style="text-align: center;"><input type="button" value="Submit"/></p> <p style="text-align: center;">factorial of 10 - 3628800</p> <p>20. Write a PHP Script to find the Fibonacci series of a given number.</p> <p style="text-align: center;">Php - Fibonacci</p> <p style="text-align: center;">Enter Number : <input type="text" value="Please enter number"/></p> <p style="text-align: center;"><input type="button" value="Submit"/></p> <p style="text-align: center;">factorial of 20 - 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377, 610, 987, 1597, 2584, 4181,</p> <p>21. Write an Age calculator program</p> <p style="text-align: center;">Php - Age Calculator</p> <p style="text-align: center;">Enter Your DOB : <input type="text" value="dd-mm-yyyy"/></p> <p style="text-align: center;"><input type="button" value="Submit"/></p> <p style="text-align: center;">Your DOB 2018-12-19 4 Years 2 Months 9 Days</p>	20-22
8	<p>22. Write a PHP program to create an array and store 10 names in the array. Do the following operations.</p> <ul style="list-style-type: none"> ➤ Display the contents using for each statement. ➤ Display the array in a sorted order. ➤ Display the array without the duplicate elements ➤ Remove the last element and display ➤ Display the array in reverse order ➤ Insert a new element in a specified position ➤ Search and find out position of an element from array <p style="text-align: center;">Php -Array Opeartion</p> <p style="text-align: center;">Array operation :</p> <p style="text-align: center;"> <input type="radio"/> Display Array <input type="radio"/> Sorted Array <input type="radio"/> Without Duplicate <input type="radio"/> Delete Last <input type="radio"/> Array Reverse <input type="radio"/> Element Insert </p> <p style="text-align: center;">Value : <input type="text"/> Position of array : <input type="text"/></p> <p style="text-align: center;"> <input type="radio"/> Array Search Find Element : <input type="text"/> </p> <p style="text-align: center;"><input type="button" value="Submit"/></p> <p>Array List Array ([0] => Chile [1] => Colombia [2] => India [3] => India [4] => Italy [5] => Chile [6] => Austria [7] => New Zealand [8] Find Search element Chile at position 0 Chile Colombia India India Italy Chile Austria New Zealand United States </p> <p>23. Write a PHP program to create a String and store value on that string “php Program - the complete SOLUTION for WEB development”. Do the following operations.</p> <ul style="list-style-type: none"> ➤ convert lowercase string to uppercase ➤ convert uppercase string to lowercase ➤ convert first character uppercase 	22-24



- convert first character of all the words uppercase
- get the last 11 characters of string
- replace the first 'the' of the following string with 'best'
- get the Second word of a sentence
- insert a string at the specified position in a given string

Php -String Opeartion

String operation :

☐ Lowercase to uppercase
☐ Uppercase to lowercase
☐ First character Uppercase
☐ First character of all the words uppercase
☐ Get the last characters of string

☐ Replace the first following string with replace word
☐ Second word of a sentence
☐ Insert a string

Value : Position of String :

Input String
the quick brown FOX jumps over the lazy DOG

Output String
the Brazil quick brown FOX jumps over the lazy DOG

24. Write a division table program in PHP using for loop.

	1	2	3	4	5	6	7	8	9	10
1	1.000	0.500	0.333	0.250	0.200	0.167	0.143	0.125	0.111	0.100
2	2.000	1.000	0.667	0.500	0.400	0.333	0.286	0.250	0.222	0.200
3	3.000	1.500	1.000	0.750	0.600	0.500	0.429	0.375	0.333	0.300
4	4.000	2.000	1.333	1.000	0.800	0.667	0.571	0.500	0.444	0.400
5	5.000	2.500	1.667	1.250	1.000	0.833	0.714	0.625	0.556	0.500
6	6.000	3.000	2.000	1.500	1.200	1.000	0.857	0.750	0.667	0.600
7	7.000	3.500	2.333	1.750	1.400	1.167	1.000	0.875	0.778	0.700
8	8.000	4.000	2.667	2.000	1.600	1.333	1.143	1.000	0.889	0.800
9	9.000	4.500	3.000	2.250	1.800	1.500	1.286	1.125	1.000	0.900
10	10.000	5.000	3.333	2.500	2.000	1.667	1.429	1.250	1.111	1.000

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25. Write a program in PHP get array key from given array list

Php -Array Key Opeartion

Array Key operation :

Find key :

Array List
 Array ([0] => apple [1] => orange [2] => banana [3] => kiwi [4] => lemon)
 Array ([0] => 1)

26. Write a program in PHP to get current directory, filename and code line number

The current directory of this file is :C:\xampp\htdocs\php_tut_bwu_v1
 The current file with path is :C:\xampp\htdocs\php_tut_bwu_v1\progrm_26.php
 The line number of this code is :12

27. Write a program in PHP to read from directory.

24-26



	<p>Upload directory is C:\xampp\htdocs\php_tut_bwu_v1</p> <p>Directory Listing:</p> <ul style="list-style-type: none"> • .. • gre2.php • gre3.php • program_10.php • program_11.php • program_12.php • program_13.php • program_14.php • program_15.php • program_16.php • program_17.php • program_18.php • program_19.php • program_2.php • program_20.php • program_21.php • program_22.php • program_23.php • program_24.php • program_25.php • program_26.php • program_27.php • program_3.php • program_4.php 	
10	<p>28. Write a PHP program to Get Server Information.</p> <pre> Array ([REMOTE_ADDR] => C:\xampp\php\extras\ndis [MYSQL_HOME] => \xampp\mysql\bin [OPENSSL_CONF] => C:\xampp\apache\bin\openssl.cnf [PHP_PEAR_SYSCONF_DIR] => \xampp\php [PHPRC] => \xampp\php [TMP] => \xampp\tmp [HTTP_HOST] => localhost [HTTP_CONNECTION] => keep-alive [HTTP_SEC_CH_UA] => "Chromium";v="118", "Not ABrand";v="24", "Google Chrome";v="118" [HTTP_SEC_CH_UA_MOBILE] => ?0 [HTTP_SEC_CH_UA_PLATFORM] => "Windows" [HTTP_UPGRADE_INSECURE_REQUESTS] => 1 [HTTP_USER_AGENT] => Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/118.8.8.8 Safari/537.36 [HTTP_ACCEPT] => text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7 [HTTP_SEC_FETCH_SITE] => same-origin [HTTP_SEC_FETCH_USER] => ?1 [HTTP_SEC_FETCH_DEST] => document [HTTP_REFERER] => http://localhost/php_tut_bwu_v1/ [HTTP_ACCEPT_ENCODING] => gzip, deflate, br [HTTP_ACCEPT_LANGUAGE] => en-US,en;q=0.9 [PATH] => C:\windows\system32\cmd.exe;C:\windows\system32\WindowsPowerShell\v1.0\powershell.exe;C:\windows\system32\OpenSSH\ssh.exe;C:\Program Files\Node.js\bin\node.exe;C:\Users\baw\AppData\Local\Microsoft\WindowsApps\Microsoft.Windows.Common-UI_65958641-6412-6412-6412-6412\Microsoft.Windows.Common-UI_65958641-6412-6412-6412-6412_x-ww_65958641-6412-6412-6412-6412_x-ww_65958641-6412-6412-6412-6412.exe;C:\windows\system32\cmd.exe [COMSPEC] => C:\windows\system32\cmd.exe [PATHEXT] => .COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.ASF;.MHT;.MNC [WINDIR] => C:\windows [SERVER_SIGNATURE] =>) Apache/2.4.42 (Ubuntu) OpenSSL/1.1.1f PHP/7.3.9 Server at localhost Port 80 [SERVER_SOFTWARE] => Apache/2.4.42 (Ubuntu) OpenSSL/1.1.1f PHP/7.3.9 [SERVER_NAME] => localhost [SERVER_ADDR] => ::1 [SERVER_PORT] => 80 [REMOTE_ADDR] => ::1 [DOCUMENT_ROOT] => C:\xampp\htdocs [REQUEST_SCHEME] => http [CONTEXT_PREFIX] => [CONTEXT_DOCUMENT_ROOT] => C:\xampp\htdocs [SERVER_ADMIN] => postmaster@localhost [SCRIPT_FILENAME] => C:\xampp\htdocs\php_tut_bwu_v1\program_28.php [REMOTE_PORT] => 62547 [GATEWAY_INTERFACE] => CGI/1.1 [SERVER_PROTOCOL] => HTTP/1.1 [REQUEST_METHOD] => GET [QUERY_STRING] => [REQUEST_URI] => /php_tut_bwu_v1/program_28.php [SCRIPT_NAME] => /php_tut_bwu_v1/program_28.php [PHP_SELF] => /php_tut_bwu_v1/program_28.php [REQUEST_TIME_FLOAT] => 167858888.753 [REQUEST_TIME] => 167858888 </pre>	26-28
	<p>29. Write a PHP program to detect remote device is mobile device or not.</p>	



	<p>← → ↻ Not secure 9.9.0.181/php_tut_bwu_v1/program_29.php</p> <p>BRAINWARE UNIVE... Faculty Allocation -... Intra Dept - CSS Cla... Faculty Members of... Brainware University Intra - CSS - 21.02.2... EVEN Semester 202... MICR</p> <p>This device Not a Mobile Devices: 9.9.0.181</p> <p>30. To create a self-processing form, use the <code>\$_SERVER['REQUEST_METHOD']</code> that returns the request method e.g., GET or POST.</p> <ul style="list-style-type: none"> ➤ If the <code>\$_SERVER['REQUEST_METHOD']</code> is GET, you show the form. ➤ And if the <code>\$_SERVER['REQUEST_METHOD']</code> is POST, you process it. <div> <p>Name: <input type="text"/></p> <p>Email: <input type="text"/></p> <p><input type="button" value="Subscribe"/></p> </div> <p>Thanks Shibnath Banerjee for your subscription. Please confirm it in your inbox of the email gopes.in@gmail.com.</p>	
11	<p>31. Write a PHP program to retrieve given URL information.</p> <div> <p>Php - URL INFORMATION</p> <p>URL: <input type="text"/></p> <p><input type="button" value="Submit"/></p> <p>Array ([scheme] => https [host] => mail.google.com [path] => /mail/u/0/ [query] => tab=wm [fragment] => inbox)</p> </div> <p>32. Write a PHP program to upload a file and get information about the upload file.</p> <div> <p>Php - File INFORMATION</p> <p><input type="button" value="Choose File"/> No file chosen</p> <p><input type="button" value="Submit"/></p> <p>Array ([file] => Array ([name] => 25-02-2023.pdf [type] => application/pdf [tmp_name] => C:\xampp\tmp\phpEDF4.tmp [error] => 0 [size] => 562456)) Filename: 25-02-2023.pdf Type : application/pdf Size : 562456 Temp name: C:\xampp\tmp\phpEDF4.tmp Error : 0</p> </div>	29-31
12	<p>33. Write a PHP program to upload an image file within “upload” folder.</p> <div> <p>Php - File INFORMATION</p> <p><input type="button" value="Choose File"/> No file chosen</p> <p><input type="button" value="Submit"/></p> <p>Array ([file] => Array ([name] => pexels-pixabay-60597.jpg [type] => image/jpeg [tmp_name] => C:\xampp\tmp\phpEC1F.tmp [error] => 0 [size] => 561208)) Filename: pexels-pixabay-60597.jpg Type : image/jpeg Size : 561208 Temp name: C:\xampp\tmp\phpEC1F.tmp Error : 0 Array ([0] => A File With The Same Name Already Exists)</p> </div>	31-33
13	<p>34. Create a form of four field as name, address, age and password. Input name, address, age and password through form. Then create a file with name and write name, address, age, password in that file. <code>is_file()</code> function check the existence of file in “data” directory.</p>	33-35



	<div><div><div>Name</div><div>Bappa Das</div></div><div><div>Password</div><div></div></div><div><div>Age</div><div>36</div></div></div> <div><div>Address</div><div>Barrackpore</div></div> <div><div><input checked="" type="checkbox"/> Check me out</div><div>Submit</div></div> <div>File created successful</div>	
14	<p>35. Create a form have three input field namely File Name(text field), Message(text area),Task(list box) and a Done (submit button). A user will enter a file name and enter some text in Message (text area) then select Create Task from (list box) and submit the Done button. If file not available in data(directory) then a file will create with file name and content of Message will write in the file. if file not available in the data directory then a message will appear in Message(text area) that “ File Doesn’t exists .”. when user enter a file name and select Read from list box , if file is available then content of existing file will appear in message box. Again user will enter file name and select Append from list box then file will appended with content.</p> <div><div><div>File Name</div><div></div></div><div><div>Task</div><div>--Select--</div></div><div><div>Message</div><div></div></div><div><div><input type="checkbox"/> Check me out</div><div>Submit</div></div><div>Directory is C:\xampp\htdocs\php_tut_bwu_v1/files and files are</div><div><div><div>.</div><div>..</div><div>Bappa Das.txt</div><div>Gopal.txt</div><div>se.txt</div></div><div>Read opration</div><div>HiHi this Append Operation</div></div></div>	35-37
15	<p>36. Design a home page in PHP, an about page in PHP and header/menu file in php, home page and about page have same header. In header/menu file two link Home, About. If click on Home link, then open home page if click about page open about page using include function in php.</p> <div>Header Bar Home About Dropdown ▾ Disabled</div>	37-39