**PHP Assignment**

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| **Sr No.** | **Topic** |
| 1 | HTML |
| 2 | JavaScript |
| 3 | Variables, Operators and Expressions  Control Statements |
| 4 | String Handling in PHP |
| 5 | File Handling |
| 6 | Regular Expressions |
| 7 | OOPS |
| 8 | MySQL Basics |
| 9 | Advanced MySQL |
| 10 | XML |
| 11 | CURL and GD Library |
| 12 | Ajax |
| 13 | PHP Security |

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| **HTML** |
| |  |  | | --- | --- | | # | Assignment Description | |  | 1. Create a page that includes the following elements.      - Within the head section create a web page title (displayed in title bar of browser window):  My Favorite Things      - Use a color for the background for the body.      - A centered heading (use the largest heading size) of:  My Favorite Things      - Include a horizontal rule underneath the heading that is colored, centered, 75% of the screen’s width and has a size of 8.      - Include the following introductory paragraph, filling in the blanks with the appropriate information for yourself.  Use a font size of 4 and a  font face of Comic Sans MS:        My name is \_\_\_\_\_\_\_\_\_ and I am a \_\_\_\_\_\_\_\_\_\_ at \_\_\_\_\_\_\_\_\_ High School.  This web page lists my favorite foods, favorite books, favorite movies.      - Insert another blank line after the paragraph.      - Using a heading size of 2, key the following heading:  My Favorite Foods.      - Using an unordered list, include five of your favorite things to eat.  Use a colored font with a size of 4, with a font face of your choice      - Insert another blank line after the list.      - Using a heading size of 2, key the following heading:  My Favorite Bo<>oks.      - Using an ordered list, list your top five favorite books.Use the same font settings as the unordered list.      - Insert another blank line after the list.      - Using a heading size of 2 again, key the following heading:  My Favorite Movies.      - Using a definition list, list your five favorite movies and include a description of why you liked the movie.  Underline the name of each movie.    Use the same font settings as the other two lists.      - Include three images on your page:  an image representing each of your favorite things. Images should fit appropriately on the page and are displayed in one row centered at the bottom of your web page       (Hint: turn on centering before the first image   tag and turn off centering after the last image tag.) | |
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| |  |  | | --- | --- | | # | Assignment Description | | **2** | 2.Web Page Assignment: Create a web page with the following attributes:      - Page Title: (Your Name) Form Page (ex: Jacob Kossman's Form Page)      - Heading h1: Give your page a heading as you wish.      - The following Form Fields: (it is your decision as to what information is gathered with these form fields, be imaginative and creative)            o Textbox            o Text Area            o Check Box            o Radio Button            o Drop-Down Menu            o Submit & Reset Buttons      Note : remember to give each field a name and value, otherwise your feedback will not post properly.      - Background Image of your chooosing (not just a color)      - Insert a Minimum of 2 Images:            o An image of your choice with text to caption the image            o An image used as a link to another website, must open in new browser tab            o One image, at least, must have a border | |

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| **JavaScript** |
| |  |  | | --- | --- | | # | Assignment Description | |  | Create a form named  test\_validate.html with the following fields   1. Name(text) 2. Age(text) 3. email(text) 4. confirm email(text) 5. Country (Dropdown) 6. Interests(textarea) 7. Branch (Radio button)  * computer * electronics * IT * mechanical  1. Skills(checkboxes)   html,php,css,java,VLSI,autocad,jquery   1. check all (checkbox) 2. uncheck all (checkbox)   Validations on submit  1)Name ,email,branch are  compulsory fields.If user submits the form ,leaving these fields blank, alert a message to the user stating that these are compulsory fields  2)Age is numeric .If non –numeric data is entered alert a message  3)Interests textarea should have max 200 characters. Display the remainder characters as user types.  4)validate email by searching for patterns using regular expression(search for @ and .com pattern)  5) email and confirm email should be the same  6)Atleast one radio button should be checked  7)Atleast one checkbox should be checked  8)If computer  radio button is selected,disbale the checkbox VLSI  9)if check all is checked,all checkboxes (skills)should get checked  10) if uncheck all is checked,all checkboxes(skills)should be uncheck  After validation, page gets submitted to submit.html  submit .html should display   * Name * email * skills * Branch | |
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| **Variables, Operators and Expressions**  **Control Statements**  Control Statements |
| |  |  | | --- | --- | | # | Assignment Description - Data Types | |  | If $a=10 and $b="10", write a program, which will compare these two variables and display a message " A is not equal to B " | |
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| |  |  | | --- | --- | | # | Assignment Description- Operators | | **2** | Write a program, which will accept user name XXXX and his total marks on a web form display the output for following conditions,  1. If user got the marks 800 and above we should display “User XXXX has got Distinction “  2. If user got the marks in between 500 and 800, we need to display “ User XXXX has got first class”  3. If user got the marks in between 400 and 500 we need to display “User XXXX has got Pass class”  4. If user got the marks below 400 we need to display “User XXXX has failed”  Hint: Send data using POST method from one page and accept it on another page | |

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| **String Handling in PHP** |
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| **File Handling** |
| |  |  |  |  | | --- | --- | --- | --- | | # | Assignment Description | Marks | Remarks | |  | Write a PHP script to view number of times user visited to a web page.  Use file to store counter for number of times user visiting to web page. | 5 |  | |  | Write a PHP script to update/add n'th line in the file. | 5 |  | |  | Write a PHP script to read data from url and write in to a file.                  url=”<http://intranet/sites/Home/default.aspx>” | 5 |  | |  | Write an application to File Upload  Upload an CSV file  While uploading the csv file for the first time, create a directory with appropriate permission  Read the uploaded csv file and display it in HTML table. | 10 | Challenging Assignment | |

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| **Regular Expressions** |
| |  |  | | --- | --- | | # | Assignment Description | |  | 1) Format US Phone no : Input(Should be 10 digit)- 5555551212  Output- (555) 555 – 1212  Make use of string function regular expressions  & string functions ereg\_replace & substr  2) What is the difference between preg\_match() and ereg()  3) Write regular expression to validate email address using both PERL and POSIX regular expression functions.  4.)  Create one text file with the following text added into it  The ghost of match fixing has returned to haunt world cricket with British tabloid The News of the World revealing that Indian cricketers were allegedly involved in deliberately underperforming in the Lord's Test that England won by an innings. Based on a sting operation conducted by The News of the World, the Metropolitan Police arrested London-based property tycoon Mazhar Majeed, who allegedly lured Indian fast bowlers Munnaf Patel and Zaheer Khan to deliver three blatant no-balls at the agreed moment of the game by the daily's undercover reporter  Using php regular expression grab and replace following values with the suggested new values in the file created at step 1,  Indian – Pak  Munnaf Patel - IMohammad Amir  Zaheer Khan - Mohammad Asif | |

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| **OOPS** |
| |  |  |  |  | | --- | --- | --- | --- | | # | Assignment Description | Marks | Remarks | |  | **Give a diagrammatic example depicting polymorphism, data abstraction, encapsulation and inheritance.** | 5 |  | |  | **Write a simple program using php for connecting to the database Mysql? (Write a database connection class)** | 10 | Challenging Assignment | |  | Write a PHP program, which will emphasize the concepts like,  Polymorphism,  Inheritance ( Multiple and Multilevel ),  Data abstraction | 5 |  | |

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| **MySQL Basics** |
| |  |  |  |  | | --- | --- | --- | --- | | # | Assignment Description | Marks | Remarks | |  | Create a table with the following employee details in a database DB,  Table name – emp\_detail  Emp\_id –  Fname –  Mname -  Lname –  City  Salary  Please insert at least 10 rows with city fields and different salary of all the employees.  Write a mysql query to concatenate employee’s first name, middle name and last name by SPACE, it should display complete concatenated name ex.  First name – Sampurna  Middle name – N  Last name – Atmaramani  **Result – Sampurna N Atmaramani**  Note – use Appropriate data types in the table | 5 |  | |  | Use above table structure of emp\_detail and write a query which should satisfy below criteria  It should fetch the fname of an employee whose Emp\_id equals to 2.  It should fetch Non repeating lnames from table emp\_detail.  Ex. If lnames with Deshpande occurs two times, it should display it only once. | 5 |  | |  | Write a query to create 3 different users in **‘mysql’** database and provide below privileges   |  |  | | --- | --- | | **User** | **Privilege** | | end\_user | select, insert, update, delete | | admin | select, insert, Update, delete, create, alter | | super\_admin | all privileges | | 5 |  | |  | Write below commands which will execute on mysql command line.  Logging to mysql prompt from unix or linux prompt (3 Marks)  creating database ‘db1’(2 Marks)  Selecting database ‘db1’ (2 Marks)  list all the table names in database db1 (3 Marks) | 10 |  | |

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| **Advanced MySQL** |
| |  |  |  |  | | --- | --- | --- | --- | | # | Assignment Description | Marks | Remarks | |  | Create a database table employee with following entries in it,   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **id** | **name** | **department** | **salary** | **Gender** | | 1 | Shailesh Dhumal | Development | 20000.00 | M | | 2 | Shailesh Kumaran | QA | 50000.00 | M | | 3 | Venetha Venkatesh | QA | 30000.00 | F | | 4 | Sandip Kulkarni | Development | 80000.00 | M |   Write a PHP script with HTML output which will display all the records in the descending order of employees salary.  Use appropriate Mysql functions and data types where ever required. | 5 |  | |  | Write a PHP script which will display the total salary distributed across the QA department. | 5 |  | |  | Create a php application similar to PhpMyAdmin tool, which will display the available databases on your MYSQL server and it should satisfy below criteria.  You should be able to view all the tables inside the selected db.(5 Marks)  You should be able to see structure of the selected table. (5 Marks)  After clicking on any table you should be able to list all the records of the table. (5 Marks)  For a table you should be able to sort(ascending and descending) the table on the basis of Id as well as Name (10 Marks) | 25 | Challenging Assignment | |  | Use above structure of emp\_details table and write a php script which should satisfy below criteria  It should fetch total no. of employees from every city in the table  Suppose there are 4 employees from Pune, 1 from Mumbai, 5 from Agra and 2 from Delhi  For ex. It should display as below   |  |  | | --- | --- | | **Count of employees** | **city** | | 3 | Pune | | 1 | Mumbai | | 5 | Agra | | 2 | Delhi | | 10 |  | |

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| **XML** |
| |  |  |  |  | | --- | --- | --- | --- | | # | Assignment Description | Marks | Remarks | |  | Sample XML Data:  <?xml version="1.0" encoding="utf-8" ?>  <rss version="0.91">  <channel>  <title>What's For Dinner</title>  <link>http://menu.example.com/</link>  <description>These are your choices of what to eat tonight.</description>  <item>  <title>Braised Sea Cucumber</title>  <link>http://menu.example.com/dishes.php?dish=cuke</link>  <description>Gentle flavors of the sea that nourish and refresh you.</description>  </item>  <item>  <title>Baked Giblets with Salt</title>  <link>http://menu.example.com/dishes.php?dish=giblets</link>  <description>Rich giblet flavor infused with salt and spice.</description>  </item>  <item>  <title>Abalone with Marrow and Duck Feet</title>  <link>http://menu.example.com/dishes.php?dish=abalone</link>  <description>There's no mistaking the special pleasure of abalone.</description>  </item>  </channel>  </rss>  Using the XML data given above, print an HTML <ul> list in which each list element is the <title> of one <item> in the XML document, and that <title> is hyperlinked to the URL listed in the <link> element of the item. For example, if one of the items were:  <item>  <title>Steamed Rock Cod</title>  <link>http://menu.example.com/dishes.php?dish=cod</link>  <description>Enjoy a cod, bursting with flavor.</description>  </item>  Then the corresponding list element that your code prints would be:  <li>  <a href="http://menu.example.com/dishes.php?dish=cod">Steamed Rock Cod</a>  </li> | 5 |  | |  | Write a program that prints a form asking for a user to input an RSS (RSS format is similar to what is provided as Sample data above) item title, link, and description. Make sure the user enters something for each field. Use the submitted form data to print an XML document consisting of a one-item RSS feed. Define the <channel> part of the feed in your program (you don't have to gather form input for it). Make sure to use header( ) and htmlentities( ) to produce a valid XML response.  Modify your answer to Exercise a so that the output of the program is an XML document. Structure your output like the sample Data given above. | 5 |  | |  | Write a program that prints a form asking for a user to input a search term. Retrieve an RSS news feed from the Sample XML given above and display a list of links to items in the news feed that have the search term in the item title. Format each list element the same way as Exercise 1. | 15 | Challenging Assignment | |

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| **CURL and GD Library** |
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| **Ajax** |
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| **PHP Security** |
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