



Question Bank

Module1

1. List out the roles of web servers in web technology.
2. Write the syntax of URL? Explain with one Example?
3. Define WWW. List any two examples of web server & web browser. Differentiate between URL and a domain?
4. Write the syntax of the URL? Rewrite the default URL of your university website by adding a subdomain named 'Research' and a web page named 'FAQ.html'. Also link this URL through the logo of 'kturesearch'
5. Design a webpage that displays the following table.

Food Item	Recommended Intake			
	age<15		age>15	
	gm	Kcal	gm	Kcal
Cerials	1000	2000	750	1760
NonCerials	450	800	350	600

6. What is the difference between radio buttons and checkboxes when implemented using HTML?
7. Write HTML code to implement a form which has the following elements:
 - a. A textbox which can accept a maximum of 25 characters .
 - b. Three radio buttons with valid Label, Names and values
 - c. Three check boxes buttons with valid Label, Names and values
 - d. A selection list containing four items, two which are always visible v.
 - e. A submit button clicking on which will prompt the browser to send the form data to the server "http://www..mysite.com/reg.php" using "POST" method and reset button to clear its contents. You can use any text of your choice to label the form elements.
8. Write the equivalent HTML code to implement the following in a web page:



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- a. An image titled “birds.jpg” with a height of 100 pixels and width of 200 pixels. If the image cannot be accessed, a message “No image available” should be displayed
 - b. A hyperlink to the URL “www.mysite.com/birds.jpg”. The hyperlink should have the label “Click Here
9. Create a static HTML document for your portfolio, which includes the following contents: your name, address, Mobile Number and email address. Also add the details about your college, university, your major and the batch of study. Include a picture of yourself and at least one other image (friend/pet/role model) to the document with a short description about that. Add three paragraphs about your personal history, with links to your social media profile. Also create an ordered list for describing your Skill Set & an unordered list showing your Strengths & Weaknesses.
10. create a HTML registration form with details like name, address, gender, languages known, country, state, phone numer.

Module 2

1. Illustrate the implementation of a JavaScript function greeting () using external .js file, to display a welcome message, when you click on a Button in an HTML page
2. What are different ways of adjusting spacing in a text with suitable example
3. Discuss the various CSS style sheet levels with suitable examples. How are conflicts resolved when multiple style rules apply to a single web page element?
4. Illustrate the usage of JavaScript DOM in event handling and explain any three methods with example
5. Write CSS and the corresponding HTML code for Set the background color for the hover and active link states to "green"
6. Write CSS and the corresponding HTML code for Set the list style for unordered lists to "square".
7. Write CSS and the corresponding HTML code for Set "Flower.png" as the background image of the page and set 3% margin for the pages
8. Write CSS and the corresponding HTML code for Set dashed border for left and right and double border for top & bottom of a table with 2 rows



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9. List the order of precedence of style levels. Organize a sample web page for providing 'KTU BTech Honours Regulation 19' for KTU and use embedded Style sheet to apply minimum 5 styles for list, tables and pages.
10. Illustrate the different ways of Array declaration in JavaScript. Describe the function of the following JavaScript Array object methods with examples. (i) join (ii) slice

Module 3

1. Describe how input from an HTML form is retrieved in a PHP program, with an example
2. Write a PHP program to check whether a number is prime number or not.
3. Explain any six string handling functions used in PHP with example
4. How does a PHP array differ from an array in C? List the different ways to create an array in PHP with an example. Explain any 4 functions that deals with PHP array.
5. During the process of fetching a web page from a web server to a client browser, at what point does an embedded PHP script get executed. What are the two modes that the PHP processor operates in? Explain
6. Why is PHP considered to be dynamically typed? Distinguish between implode and explode function in PHP with suitable examples.
7. What are the uses of cookies in web pages? Describe syntax for setting cookies in PHP. How can you access and delete the cookie using setcookie() function?
8. Write equivalent PHP statements corresponding to declare an associative array named "ages" to store the key-value pairs ("Alice", 30), ("Bob", 30), ("Harry", 35), ("Mary", 32).
9. Write equivalent PHP statements to Sort the array according to values maintaining the key-value relationships and print the sorted key-value pairs.
10. Write a PHP form handling program to perform the user registration of any website with a minimum of 5 different fields and insert the data into a MySQL table after establishing necessary connections with the DB,

Module 4

1. Design the HTML page which enters a given number and embed the PHP code to display a message indicating, whether the number is odd or even, when clicking on the 'CHECK NUMBER' button.



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2. Briefly describe, with suitable examples, the various methods for iterating over the contents of a PHP array.
3. Write an embedded PHP script which displays the factorial of all numbers from 1 to 10 in a table in the web page. The factorial should be calculated and returned from a function. The table headings should be “Number” and “Factorial”.
4. What are the two modes that the PHP processor operates in? Explain.
5. Write a PHP program to store data in a database.
6. Discuss the various steps for establishing PHP-MySQL connection with a MySQL database?
7. Write a PHP program to create forms and store data in different tables in a database.
8. Write a PHP program to display details from a database.
9. Write a PHP program to select data from a database according to a condition.
10. Write a PHP program to display details from a database using a select query.

Module 5

1. With a neat diagram, explain about the Laravel MVC Framework.
2. Discuss in detail about Laravel's Routing mechanisms.
3. Enumerate the data types in JSON. Illustrate the document definition of a 'Student' document using JSON Schema.
4. Discuss the following in Laravel Views: i. Creating & Rendering Views ii. Passing Data to Views iii. Sharing Data with All Views
5. Describe the schema of a document implemented in JSON with suitable examples.
6. Explain about JSON schema.
7. Explain about Laravel features.
8. Explain about Laravel design patterns.
9. Explain the term route model binding.
10. Explain the term blade templating.