

## **LAB 01:**

### **INTRODUCTION TO HTML**

#### **Lab Tasks:**

1. Write the HTML Code the generates a webpage contains your Resume by using HTML tags like <p> ,<h1>...<h6>,<img>, <a> , <hr>,<br> and all styling tags

#### **Resume should include:**

- Your basic Personal Details
- Your picture
- Your Academic Details
- Your Achievements
- Details of the Projects

2. Write down the HTML code to generate the following Sample Output:

## **Courses Taught**

- a. Web Programming
- b. Discrete Structures
- c. Electronic Commerce
- d. Database Systems
- e. Introduction to Computing

## **Nested List Example**

- I. Web Programming
  - Autumn 2014
    - III. September - January
    - IV. February - June
  - Spring 2015
- II. Discrete Structures
  - i. Summer 2014
- III. Electronic Commerce
- IV. Database Systems
- V. Introduction to Computing

Exercise:

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### Exercise 1

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Design an html web page and display following output.



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### Exercise 2

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- Create New HTML Page
- Add Paragraphs about yourself
- Make some content of paragraph as Bold, Italic and Underline.
- Insert a hyper link to show your email address
- Insert your image.
- Create Basic List with your educational details

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### Exercise 3

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Create timetable using Html commands. Add table caption

## GeeksforGeeks

### HTML td bgcolor Attribute

NAME	AGE	BRANCH
BITTU	22	CSE
RAKESH	25	EC

**LAB 02:**  
**USE OF TABLE TAG**

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**USE OF TABLE TAG**

1. Write the HTML code for the following Sample Output:

Time Table					
Hours	Mon	Tue	Wed	Thu	Fri
	Science	Maths	Science	Maths	Arts
	Social	History	English	Social	Sports
	Lunch				
	Science	Maths	Science	Maths	Project
	Social	History	English	Social	

	Average		Red eyes
	height	weight	
Males	1.9	0.003	40%
Females	1.7	0.002	43%

<u>ID</u>	<u>Name</u>	<u>Subject</u>	<u>Marks</u>
1	David	Maths	80
		Physics	90
		Computers	70
2	Alex	Maths	80
		Physics	70
		Computers	90

2.



3.

### Exercise 2

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Design and create a web page as shown below. Use proper form tags and different input fields.

Last Name	<input type="text" value="Nakov"/>		
First Name	<input type="text" value="Svetlin"/>		
Address	<input type="text" value="17 Hristo Botev Str.&lt;br/&gt;floor 3, apt. 12"/>		
City	<input type="text" value="Kaspichan"/>	State	<input type="text"/>
Zip/Postal Code	<input type="text" value="9325"/>		
Country	<input type="text" value="Bulgaria"/>		
Phone (country code, area code, number)	<input type="text" value="(+359 )"/> <input type="text" value="88"/> - <input type="text" value="8334343"/>		
E-mail	<input type="text" value="nakov@kaspichan.org"/>		
Birth date	Month <input type="text" value="06"/>	Day <input type="text" value="14"/>	Year (4 digit) <input type="text" value="1980"/>
Gender	<input type="text" value="Male"/>		
Starting date	<input checked="" type="radio"/> Spring 2006 <input type="radio"/> Summer 2006		
Comments/Questions	<input type="text" value="Please send me mor information&lt;br/&gt;about the lodging."/>		
<input type="button" value="Submit"/> <input type="button" value="Clear This Form"/>			

**LAB 03:**  
**HTML FORMS**

Write the HTML code to design the following form

1.

Continental Hotel Reservation Form	
<b>Name</b>	<input type="text" value="Enter your name"/>
<b>eMail</b>	<input type="text" value="info@continental.pk"/>
<b>Mobile No</b>	<input type="text" value="Enter your cell number"/>
<b>Arrival Time</b>	<input type="text" value="Enter your arrival time"/>
<b>Departure</b>	<input type="text"/> <input type="text"/>
<b>Room Type</b>	<input type="radio"/> Single <input type="radio"/> Double <input type="radio"/> Presidential Suite
<b>Preferences</b>	<input type="checkbox"/> Non-Smoking <input type="checkbox"/> Internet <input type="checkbox"/> Firm Mattress
<b>Mode of Payment</b>	<input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="text" value="Select Card"/>
<input type="button" value="Send Data"/>	

Exercise: 2

## Exercise 1

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Create a login form using Heading, label, text field, button, table and image tag.



**Username**

**Password**

☒ Remember me

Forgot [password?](#)

## **LAB 04**

### **Cascade Style Sheet (CSS)**

Exercise:

Create and test an HTML document that describes nested ordered list of cars. The outer list must have three entries: compact , midsize, and sports. Inside each of these three lists there must be two sublists. The compact and midsize-car subtitles are two door and four door; the sports-car are coupe and convertible. Each body style sublist must have at least three entries, each of which is the make and model of a particular car that fits the category. The outer list must use uppercase Roman numerals, the middle list must use upper case letters, and their inner list must use Arabic numerals.

The background color for the compact-car list must be pink; for midsize-car list, it must be blue; for sports-car list, it must be red. All of the style must be in a document style sheet.



## LAB 05:

### BASICS OF JAVASCRIPT

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#### Exercise 1

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Write, test and debug javaScript script for the problems that follow. When required to write a function, you must include a script to test the function with atleast two different datasets. In all cases, for testing, you must write an HTML file that reference the javaScript file.

1. A table of the numbers from 5 to 15 and their squares and cubes, using alert.
2. Input : three numbers, using prompt to get each  
Output: the largest of three input numbers.
3. Declare the array for storing the marks. Sum all the marks. Compute Average of all the marks using alert.
4. Create the HTML file. Check the number divisible by 3 and number divisible by 5. Add all the values which are divisible by 3 and 5.

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#### Exercises 2

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Using html forms item create an “ entry form “that contains all the details of a person. Name, Father’s Name, date.of .birth, age, nationality, sex, academic background, working experience, professional skills, awards and achievements, References. Make sure that you do save all this information in to an array. display the content using document.write().

## LAB 06:

### DOM IN JAVASCRIPT

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#### Exercise 1

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Design a proper interface of a calculator using Html , CSS and javaScript.Enhance the given example in the given manual and create a scientific calculator using Math object. That must include following operations. Square root of a number , logarithm , trigonometric functions, quadratic equation, square of a number cube of a number.

#### Exercise 2

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Create a web page to get the First and Last Day of a Given Month using JavaScript.

#### Exercise 3

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Create a web page that ask the user to perform any of the following options.

1. Write a JavaScript function that reverse a number. Sample Data and output: Example x = 32243; Expected Output : 34223
2. Write a JavaScript function that returns a passed string with letters in alphabetical order. Example string : 'webmaster' Expected Output : 'abeemrstw'
3. Create a button, when user presses on it, it displays an error message using alert box if user entered a negative number.
4. 2. Display odd numbers from 1 to the number entered by user as input in prompt box. Generate an error message if a negative number is entered.

#### Exercise 4

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Create a web page for fast food center. User can order three type of dishes:

1. Starters
2. Major Foods
3. Deserts

User can order for more than two meals at a time from above. Multi selection shall be based on list box, which holds multiple food items.

Display the order in a text area with the final order and its Bill accordingly.

## LAB 07

### JAVASCRIPT FORMS VALIDATION

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#### Exercise 1

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Develop, test and validate HTML document that collects the following information from the user : last name , first name ,middle initial, age(restricted to be greater than 17), and weight restricted to the range from 80 to 300). You must have event handlers for the form elements that collect this information. These handlers must check the input data for correctness. Message in alert windows must be produced when errors are detected.


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#### Exercise 2

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Create login form with JavaScript validation in html?

Write a JavaScript code for validation check. If textbox will blank then it will give error message.



**Welcome To My Account Login**

Enter User Name :

Enter Password :