**Tute 01**

**HTML Tags**

Exercise 01

<!DOCTYPE html>

<html>

<head>

<title>Student Records</title>

</head>

<body>

<table>

<thead>

<tr>

<th>Student ID</th>

<th>Student Name</th>

<th>Degree</th>

</tr>

</thead>

<tbody>

<tr>

<td>1002323</td>

<td>Nimesh Fernando</td>

<td>BSc in IT</td>

</tr>

<tr>

<td>1002424</td>

<td>Lasadun Bandara</td>

<td>BSc in Computer Science</td>

</tr>

</tbody>

</table>

</body>

</html>

Exercise 2

<ul>

<li>C</li>

<li>C#</li>

<li>C++</li>

<li>JAVA</li>

<li>IV.</li>

<li>V.</li>

<li>PYTHON</li>

</ul>

Exercise 3

<!DOCTYPE html>

<html>

<head>

<title>Name and Index Number Form</title>

</head>

<body>

<form action="index.php" method="post">

<label for="name">Name:</label>

<input type="text" name="name" id="name">

<label for="index\_number">Index Number:</label>

<input type="text" name="index\_number" id="index\_number">

<input type="submit" value="Submit">

</form>

</body>

</html>

**Tute 02**

<!DOCTYPE html>

<html>

<head>

<title>HTML Codes</title>

</head>

<body>

<!-- Car, Van, Bus -->

<ul>

<li>Car</li>

<li>Van</li>

<li>Bus</li>

</ul>

<!-- i. Apple, ii. Orange, iii. Grapes, iv. Banana -->

<ol>

<li>Apple</li>

<li>Orange</li>

<li>Grapes</li>

<li>Banana</li>

</ol>

<!-- Apple A fruit Cabbage A Vegetable -->

<p>

<b>Apple</b> A fruit<br>

<b>Cabbage</b> A Vegetable

</p>

<!-- XII. Twelve, XIII. Thirteen, XIV. Fourteen, XV. Fifteen -->

<ol>

<li>XII. Twelve</li>

<li>XIII. Thirteen</li>

<li>XIV. Fourteen</li>

<li>XV. Fifteen</li>

</ol>

<!-- C. Tea, B. Milk, A. Coffee -->

<ul>

<li>C. Tea</li>

<li>B. Milk</li>

<li>A. Coffee</li>

</ul>

<!-- 5. Five, 4. Four, 3. Three -->

<ol>

<li>5. Five</li>

<li>4. Four</li>

<li>3. Three</li>

</ol>

</body>

</html>

**Tute 3**

**Table 01**

<!DOCTYPE html>

<html>

<head>

<title>HTML Tables</title>

</head>

<body>

<table>

<thead>

<tr>

<th>First Name</th>

<th>Last Name</th>

<th>Age</th>

</tr>

</thead>

<tbody>

<tr>

<td>Amal</td>

<td>Fernando</td>

<td>39</td>

</tr>

<tr>

<td>Sahan</td>

<td>Bandara</td>

<td>33</td>

</tr>

<tr>

<td>Kamal</td>

<td>Perera</td>

<td>36</td>

</tr>

<tr>

<td>Nimal</td>

<td>Rathnayake</td>

<td>36</td>

</tr>

</tbody>

</table>

**Table 02**

<table>

<thead>

<tr>

<th>Country</th>

</tr>

</thead>

<tbody>

<tr>

<td>America</td>

</tr>

<tr>

<td>Canada</td>

</tr>

<tr>

<td>Alaska</td>

</tr>

<tr>

<td>Mexico</td>

</tr>

<tr>

<td>Jamaica</td>

</tr>

<tr>

<td>California</td>

</tr>

<tr>

<td>Brazil</td>

</tr>

</tbody>

</table>

</body>

</html>

**Table 03**

<!DOCTYPE html>

<html>

<head>

<title>Timetable</title>

</head>

<body>

<table>

<thead>

<tr>

<th>Day</th>

<th>Subject</th>

</tr>

</thead>

<tbody>

<tr>

<td>Monday</td>

<td>Maths</td>

</tr>

<tr>

<td>Tuesday</td>

<td>Geography</td>

</tr>

<tr>

<td>Wednesday</td>

<td>IT</td>

</tr>

<tr>

<td>Thursday</td>

<td>Sinhala</td>

</tr>

<tr>

<td>Friday</td>

<td>Health</td>

</tr>

</tbody>

</table>

</body>

</html>

**Tute 04**

Form 01

<!DOCTYPE html>

<html>

<head>

<title>Registration Form</title>

</head>

<body>

<form action="index.php" method="post">

<label for="name">Name:</label>

<input type="text" name="name" id="name">

<label for="last\_name">Last Name:</label>

<input type="text" name="last\_name" id="last\_name">

<label for="mobile\_number">Mobile Number:</label>

<input type="text" name="mobile\_number" id="mobile\_number">

<label for="gender">Gender:</label>

<input type="radio" name="gender" id="male" value="male"> Male

<input type="radio" name="gender" id="female" value="female"> Female

<label for="email">Email:</label>

<input type="email" name="email" id="email">

<label for="favourite\_music">Favourite Music:</label>

<input type="radio" name="favourite\_music" id="opopop" value="opopop"> Opopopo

<input type="radio" name="favourite\_music" id="rock" value="rock"> Rock

<input type="radio" name="favourite\_music" id="other" value="other"> Other

<label for="additional\_details">Additional Details:</label>

<textarea name="additional\_details" id="additional\_details" cols="30" rows="10"></textarea>

<input type="checkbox" name="terms\_and\_conditions" id="terms\_and\_conditions"> I agree to the terms and conditions

<input type="submit" value="Submit">

</form>

</body>

</html>

Form 02

<!DOCTYPE html>

<html>

<head>

<title>Car Registration Form</title>

</head>

<body>

<form action="index.php" method="post">

<label for="owner\_name">Owner Name:</label>

<input type="text" name="owner\_name" id="owner\_name">

<label for="email">Email:</label>

<input type="email" name="email" id="email">

<label for="phone\_number">Phone Number:</label>

<input type="text" name="phone\_number" id="phone\_number">

<label for="country">Country:</label>

<input type="text" name="country" id="country">

<label for="car\_model">Car Model:</label>

<input type="text" name="car\_model" id="car\_model">

<label for="manufacture">Manufacture:</label>

<input type="text" name="manufacture" id="manufacture">

<label for="year">Year:</label>

<input type="text" name="year" id="year">

<label for="transmission">Transmission:</label>

<select name="transmission" id="transmission">

<option value="manual">Manual</option>

<option value="auto">Auto</option>

<option value="other">Other</option>

</select>

<label for="conditions">I agree to the conditions and terms:</label>

<input type="checkbox" name="conditions" id="conditions">

<input type="submit" value="Submit">

</form>

</body>

</html>

**Tute 05**

Exercise 01

<!DOCTYPE html>

<html>

<head>

<title>Quotes For Life</title>

<style>

body {

font-family: sans-serif;

margin: 0;

padding: 0;

}

.container {

width: 500px;

margin: 0 auto;

}

.quote {

border: 1px solid black;

padding: 10px;

margin-bottom: 10px;

}

.quote p {

font-size: 16px;

}

.quote .author {

font-size: 12px;

}

</style>

</head>

<body>

<div class="container">

<h1>Quotes For Life</h1>

<div class="quote">

<p>You only live once, but if you do it right, once is enough.</p>

<p class="author">Mae West</p>

</div>

<div class="quote">

<p>The best and most beautiful things in the world cannot be seen or even touched - they must be felt with the heart.</p>

<p class="author">Helen Keller</p>

</div>

<div class="quote">

<p>Life is what happens when you're busy making other plans.</p>

<p class="author">John Lennon</p>

</div>

</div>

</body>

</html>

**Exercise 02**

<!DOCTYPE html>

<html>

<head>

<title>Sign Up Form</title>

<style>

body {

background-image: url("https://i.stack.imgur.com/08u5n.jpg");

background-repeat: no-repeat;

background-size: cover;

}

.container {

width: 400px;

margin: 0 auto;

padding: 20px;

background-color: #fff;

border: 1px solid #ccc;

}

h1 {

text-align: center;

}

input[type="text"],

input[type="password"] {

width: 100%;

padding: 10px;

margin-bottom: 10px;

border: 1px solid #ccc;

outline: none;

}

input[type="submit"] {

background-color: #000;

color: #fff;

padding: 10px 20px;

border: none;

cursor: pointer;

}

</style>

</head>

<body>

<div class="container">

<h1>Sign Up</h1>

<input type="text" placeholder="Email">

<input type="password" placeholder="Password">

<input type="submit" value="Sign Up">

</div>

</body>

</html>

**Tute 06**

<!DOCTYPE html>

<html>

<head>

<title>E-Commerce Website</title>

<style>

body {

background-image: url("https://i.stack.imgur.com/08u5n.jpg");

background-repeat: no-repeat;

background-size: cover;

}

.container {

width: 960px;

margin: 0 auto;

padding: 20px;

background-color: #fff;

border: 1px solid #ccc;

}

h1 {

text-align: center;

}

.header {

background-color: #000;

color: #fff;

padding: 20px;

}

.nav {

float: left;

width: 20%;

padding: 0 20px;

}

.nav ul {

list-style-type: none;

margin: 0;

padding: 0;

}

.nav li {

padding: 10px;

margin-bottom: 10px;

border-bottom: 1px solid #ccc;

}

.nav a {

color: #fff;

text-decoration: none;

}

.main {

float: left;

width: 70%;

}

.footer {

background-color: #000;

color: #fff;

padding: 20px;

clear: both;

}

</style>

</head>

<body>

<div class="container">

<header>

<h1>E-Commerce Website</h1>

</header>

<nav>

<ul>

<li><a href="#">Home</a></li>

<li><a href="#">Products</a></li>

<li><a href="#">About Us</a></li>

<li><a href="#">Contact Us</a></li>

</ul>

</nav>

<main>

<h2>Products</h2>

<div class="product">

<img src="https://i.stack.imgur.com/8v03O.jpg" alt="Product 1">

<h3>Product 1</h3>

<p>This is a product description.</p>

<button>Add to Cart</button>

</div>

<div class="product">

<img src="https://i.stack.imgur.com/91f6Y.jpg" alt="Product 2">

<h3>Product 2</h3>

<p>This is a product description.</p>

<button>Add to Cart</button>

</div>

<div class="product">

<img src="https://i.stack.imgur.com/34v8d.jpg" alt="Product 3">

<h3>Product 3</h3>

<p>This is a product description.</p>

<button>Add to Cart</button>

</div>

</main>

<footer>

&copy; 2023 E-Commerce Website

</footer>

</div>

</body>

</html>

**Tute 07**

**01**

function showMessage() {

alert("This is a pop-up message box.");

}

var button = document.getElementById("myButton");

button.onclick = showMessage;

**02**

**Tute 08**

**03**

function changeColor(button, color) {

button.style.backgroundColor = color;

}

var redButton = document.getElementById("redButton");

redButton.onmouseover = function() {

changeColor(redButton, "red");

};

redButton.onmouseout = function() {

changeColor(redButton, "white");

};

var greenButton = document.getElementById("greenButton");

greenButton.onmouseover = function() {

changeColor(greenButton, "green");

};

greenButton.onmouseout = function() {

changeColor(greenButton, "white");

};

var blueButton = document.getElementById("blueButton");

blueButton.onmouseover = function() {

changeColor(blueButton, "blue");

};

blueButton.onmouseout = function() {

changeColor(blueButton, "white");

};

**04**

**Tute 09**

**05**

function getDay() {

var day = prompt("Enter a number from 1-7:");

if (day == 1) {

return "Monday";

} else if (day == 2) {

return "Tuesday";

} else if (day == 3) {

return "Wednesday";

} else if (day == 4) {

return "Thursday";

} else if (day == 5) {

return "Friday";

} else if (day == 6) {

return "Saturday";

} else if (day == 7) {

return "Sunday";

} else {

return "Invalid input";

}

}

**06**

function confirmGoToGoogle() {

var result = confirm("Are you sure you want to go to Google?");

if (result) {

window.location.href = "https://www.google.com";

} else {

alert("You decided to stay.");

}

}

**Tute 10**

**07**

function calculate() {

var firstNumber = prompt("Enter the first number:");

var secondNumber = prompt("Enter the second number:");

var operator = prompt("Enter the operator (+, -, \*, /):");

var result;

switch (operator) {

case "+":

result = firstNumber + secondNumber;

break;

case "-":

result = firstNumber - secondNumber;

break;

case "\*":

result = firstNumber \* secondNumber;

break;

case "/":

result = firstNumber / secondNumber;

break;

default:

result = "Invalid operator";

}

document.getElementById("output").innerHTML = result;

}

document.getElementById("calculateButton").onclick = calculate;

**08**

function getYearOfBirth() {

var nicNumber = prompt("Enter the NIC number:");

var yearOfBirth = nicNumber.substring(0, 4);

return yearOfBirth;

}

document.getElementById("output").innerHTML = getYearOfBirth();

**Tute 11**

PHP tutorials

01

<?php

$x = 6;

$y = 4;

echo "Sum : " . ($x + $y) . "<br>";

echo "Difference : " . ($x - $y) . "<br>";

echo "Product : " . ($x \* $y) . "<br>";

echo "Division : " . ($x / $y) . "<br>";

?>

02

03

<?php

$units = 150;

$rate = 0;

if ($units <= 50) {

$rate = 3.50;

} else if ($units <= 100) {

$rate = 4.00;

} else if ($units <= 150) {

$rate = 5.20;

} else {

$rate = 6.50;

}

$total = $units \* $rate;

echo "Units: " . $units . "<br>";

echo "Rate: " . $rate . "<br>";

echo "Total: " . $total . "<br>";

?>

04

<?php

$day = 1;

switch ($day) {

case 1:

echo "Monday";

break;

case 2:

echo "Tuesday";

break;

case 3:

echo "Wednesday";

break;

case 4:

echo "Thursday";

break;

case 5:

echo "Friday";

break;

case 6:

echo "Saturday";

break;

case 7:

echo "Sunday";

break;

default:

echo "Invalid number";

}

?>

05

<?php

$fruits = array("apple", "banana", "orange", "grape", "mango");

foreach ($fruits as $fruit) {

echo $fruit . "<br>";

}

?>

**Tute 12**

**01**

HTML

<!DOCTYPE html>

<html>

<head>

<title>Registration Form</title>

<style>

body {

font-family: sans-serif;

}

form {

margin: 0 auto;

width: 500px;

}

input {

width: 100%;

padding: 10px;

border: 1px solid #ccc;

}

button {

background-color: #000;

color: #fff;

padding: 10px;

border: none;

cursor: pointer;

}

</style>

</head>

<body>

<form action="registration.php" method="post">

<h1>Registration Form</h1>

<input type="text" name="firstName" placeholder="First Name">

<input type="text" name="lastName" placeholder="Last Name">

<input type="email" name="email" placeholder="Email">

<input type="password" name="password" placeholder="Password">

<input type="submit" value="Submit">

</form>

</body>

</html>

PHP

<?php

if ($\_SERVER['REQUEST\_METHOD'] == 'POST') {

$firstName = $\_POST['firstName'];

$lastName = $\_POST['lastName'];

$email = $\_POST['email'];

$password = $\_POST['password'];

echo "Your first name is: " . $firstName . "<br>";

echo "Your last name is: " . $lastName . "<br>";

echo "Your email is: " . $email . "<br>";

echo "Your password is: " . $password . "<br>";

}

?>

**02**

**Tute 13**

**01**

<?php

$servername = "localhost";

$username = "root";

$password = "";

$database = "university";

// Create connection

$conn = mysqli\_connect($servername, $username, $password, $database);

// Check connection

if (!$conn) {

die("Connection failed: " . mysqli\_connect\_error());

}

// Create students table

$sql = "CREATE TABLE students (

id INT NOT NULL AUTO\_INCREMENT,

name VARCHAR(255) NOT NULL,

email VARCHAR(255) NOT NULL,

password VARCHAR(255) NOT NULL,

PRIMARY KEY (id)

)";

if (mysqli\_query($conn, $sql)) {

echo "Table students created successfully";

} else {

echo "Error creating table: " . mysqli\_error($conn);

}

// Close connection

mysqli\_close($conn);

?>

**02**

<!DOCTYPE html>

<html>

<head>

<title>Student Registration Form</title>

<style>

body {

font-family: sans-serif;

}

form {

margin: 0 auto;

width: 500px;

}

input {

width: 100%;

padding: 10px;

border: 1px solid #ccc;

}

button {

background-color: #000;

color: #fff;

padding: 10px;

border: none;

cursor: pointer;

}

</style>

</head>

<body>

<form action="submit.php" method="post">

<h1>Student Registration Form</h1>

<input type="text" name="id" placeholder="ID">

<input type="text" name="name" placeholder="Name">

<input type="email" name="email" placeholder="Email">

<input type="password" name="password" placeholder="Password">

<input type="submit" value="Submit">

</form>

</body>

</html>

**03**

<?php

$servername = "localhost";

$username = "root";

$password = "";

$database = "university";

// Create connection

$conn = mysqli\_connect($servername, $username, $password, $database);

// Check connection

if (!$conn) {

die("Connection failed: " . mysqli\_connect\_error());

}

// Get data from HTML form

$id = $\_POST['id'];

$name = $\_POST['name'];

$email = $\_POST['email'];

$password = $\_POST['password'];

// Insert data into students table

$sql = "INSERT INTO students (id, name, email, password) VALUES ('$id', '$name', '$email', '$password')";

if (mysqli\_query($conn, $sql)) {

echo "Data inserted successfully";

} else {

echo "Error inserting data: " . mysqli\_error($conn);

}

// Close connection

mysqli\_close($conn);

?>

**04**

<?php

$servername = "localhost";

$username = "root";

$password = "";

$database = "university";

// Create connection

$conn = mysqli\_connect($servername, $username, $password, $database);

// Check connection

if (!$conn) {

die("Connection failed: " . mysqli\_connect\_error());

}

// Select all students

$sql = "SELECT \* FROM students";

$result = mysqli\_query($conn, $sql);

// Check if there are any students

if (mysqli\_num\_rows($result) > 0) {

// There are students

echo "<table>";

echo "<tr>";

echo "<th>ID</th>";

echo "<th>Name</th>";

echo "<th>Email</th>";

echo "<th>Password</th>";

echo "</tr>";

while ($row = mysqli\_fetch\_assoc($result)) {

echo "<tr>";

echo "<td>" . $row['id'] . "</td>";

echo "<td>" . $row['name'] . "</td>";

echo "<td>" . $row['email'] . "</td>";

echo "<td>" . $row['password'] . "</td>";

echo "</tr>";

}

echo "</table>";

} else {

// There are no students

echo "No students found";

}

// Close connection

mysqli\_close($conn);

?>