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**Course Code :** UI8ITI6203

**Course Title :** Web Technologies

**LAB EXERCISE 1**

**Simple HTML File**

**Program:**

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Albert Einstein</title>

<link rel="stylesheet" href="Albertstyle.css">

</head>

<body>

<header>

<h2>Albert Einstein</h2>

<div class="action">

<a href="#tribute">Tributes</a>

<a href="#contact">contact</a>

</div>

</header>

<div class="main">

<h1 id="color1">Albert Einstein</h1>

<h2 id="color2">(E = mc<sup>2</sup>)</h2>

<img src="./Albert Einstein.jfif" alt="Albert Einstein image">

<h3 id="profession">Physicist , Scientist(1879-1955)</h3>

<br>

<h3>10 Things You Didn't Know A bout Albert Einstein :</h3><br>

</div>

<div class="content">

<ul>

<li>He never failed math. This is a popular “fact” promoted on the internet, maybe in an attempt to relate to genius. However, it is simply not true. Overall, Einstein was an average student, but math was one area where he excelled, unsurprisingly.</li>

<li>He was a great musician. If the whole “genius” thing didn’t work out, Einstein could have become a violinist. His mother played piano so he had the love of music instilled in him—via violin lessons—at the young age of five.</li>

<li>He could have been the President of Israel. When Israel’s first president, Chaim Weizmann, died, Einstein was offered the position, but he declined.</li>

<li>He married his cousin. After Einstein divorced his first wife, Mileva Maric, he married his cousin, Elsa Lowenthal. He was, actually, quite a bad husband to his first wife in their later years. He had affairs he never tried to hide, he moved the entire family to Berlin without discussion, and treated her more as a servant than a wife.</li>

<li>He won the 1921 Nobel Prize for Physics. This alone isn’t particularly surprising. What is surprising is the fact that he didn’t receive it for the general or special theory of relativity, but rather for the photoelectric effect</li>

<li>His brain was stolen. After Einstein died, the pathologist who did his autopsy took his brain without permission. He eventually got the permission necessary from Einstein’s son, but he was fired from Princeton when he refused to turn the brain over. He kept it for over forty years before finally returning it in 1998.</li>

</ul>

<p class="indent" style="font-size: x-large">The important thing is not to stop questioning. Curiosity has its own reason for existing."</p>

<p class="indent" style="font-size: x-large;color: cadetblue" >--Albert Einstein</p>

<p id="color">If you have time,you should read more about his incredible human being on <a href="https://en.wikipedia.org/wiki/Main\_Page">Wikipedia entry</a></p>

</div>

<br>

<p id="tribute" style="font-size: xx-large;font-weight:bold; color:blue;text-align: center;">My Tributes</p>

<br>

<div class="tributes" >

<div><a href="https://en.wikipedia.org/wiki/Steve\_Jobs"><img src="./steve.jfif" alt="steve jobs"></a></div>

<div><a href="https://en.wikipedia.org/wiki/Mark\_Zuckerberg"><img src="./mark.jpg" alt="Mark Zukerburg"></a></div>

<div><a href="https://en.wikipedia.org/wiki/Elon\_Musk"><img src="./elon.jpg" alt="Elon Musk"></a></div>

<div><a href="https://en.wikipedia.org/wiki/Bill\_Gates"><img src="./bill.jfif" alt="Bill Gates"></a></div>

<div><a href="https://en.wikipedia.org/wiki/Thomas\_Edison"><img src="./Thomas\_Edison2.jpg" alt="Thomas Alva Edison"></a></div>

<div><a href="https://en.wikipedia.org/wiki/Archimedes"><img src="./Archimedes.jpg" alt="Archimedes"></a></div>

<div><a href="https://en.wikipedia.org/wiki/Mukesh\_Ambani"><img src="./mukesh.jpg" alt="Mukesh Ambani"></a></div>

<div><a href="https://en.wikipedia.org/wiki/Isaac\_Newton"><img src="./newtonb.jpg" alt="Issac Newton"></a></div>

</div>

<br>

<p id="contact" style="font-size: xx-large;font-weight:bold; color:blue;text-align: center;">Contact Us</p>

<br>

<div class="forms" >

<!--<form action="#" onsubmit="validateForm()">

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

<input type="text" id="name" name="name" placeholder="Your name.." required autocomplete="off">

<label for="mail">Email</label>

<input type="text" id="mail" name="Mail" placeholder="Your Email." required>

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

<select id="country" name="country">

<option value="australia">India</option>

<option value="canada">USA</option>

<option value="usa">Others</option>

</select>

<label for="subject">Subject</label>

<textarea id="subject" name="subject" placeholder="Write your suggestion.." style="height:200px" required></textarea>

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

</form>-->

<form id="form" action="#">

<div class="input-control">

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

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

<div class="error"></div>

</div>

<div class="input-control">

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

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

<div class="error"></div>

</div>

<div class="input-control">

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

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

<div class="error"></div>

</div>

<div class="input-control">

<label for="feedback">Feedback</label>

<input id="feedback"name="feedback">

<div class="error"></div>

</div>

<button type="submit">Submit</button>

</form>

</div>

<script>

const form = document.getElementById('form');

const name = document.getElementById('name');

const email = document.getElementById('email');

const country = document.getElementById('country');

const feedback = document.getElementById('feedback');

form.addEventListener('submit', e => {

e.preventDefault();

validateInputs();

});

const setError = (element, message) => {

const inputControl = element.parentElement;

const errorDisplay = inputControl.querySelector('.error');

errorDisplay.innerText = message;

inputControl.classList.add('error');

inputControl.classList.remove('success')

}

const setSuccess = element => {

const inputControl = element.parentElement;

const errorDisplay = inputControl.querySelector('.error');

errorDisplay.innerText = '';

inputControl.classList.add('success');

inputControl.classList.remove('error');

};

const isValidEmail = email => {

const re = /^(([^<>()[\]\\.,;:\s@"]+(\.[^<>()[\]\\.,;:\s@"]+)\*)|(".+"))@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\])|(([a-zA-Z\-0-9]+\.)+[a-zA-Z]{2,}))$/;

return re.test(String(email).toLowerCase());

}

const validateInputs = () => {

const nameValue = name.value.trim();

const emailValue = email.value.trim();

const countryValue = country.value.trim();

const feedbackValue = feedback.value.trim();

if(nameValue === '') {

setError(name, 'name is mandatory');

} else {

setSuccess(name);

}

if(emailValue === '') {

setError(email, 'Email is required');

} else if (!isValidEmail(emailValue)) {

setError(email, 'Provide a valid email address');

} else {

setSuccess(email);

}

if(countryValue === '') {

setError(country, 'country name is required');

} else {

setSuccess(country);

}

if(feedbackValue === '') {

setError(feedback, 'feedback is necessary');

} else {

setSuccess(feedback);

}

alert("form submitted successfully")

};

</script>

</body>

</html>

**Albertstyle.css**

\* {

box-sizing: border-box;

margin: 0;

}

body{

min-width: 1000px;

}

header{

box-sizing: border-box;

width: 100%;

height: 50px;

background-color: dimgrey;

position: fixed;

top: 0;

display: flex;

justify-content: space-between;

}

header img,.action{

margin: 0;

padding: 0;

}

header h2{

margin: auto;

padding-top: 10px;

text-align: center;

color: white;

}

.action{

/\*position: absolute;

top: 0px;

right: 0px;\*/

width: 300px;

height: 50px;

}

.action a{

float: left;

height: 50px;

width: 50%;

text-decoration: none;

border: 2px solid grey;

text-align: center;

padding-top: 15px;

background-color: black;

color: rgb(206, 207, 206);

font-size: larger;

}

.action a:hover{

color: white;

}

.main {

margin-top: 60px;

align-items: center;

justify-content: center;

text-align: center;

padding: 20px;

}

#profession {

margin-top: 0;

}

#color1

{

color: blue;

font-size: 40px;

}

#color2

{

color: green;

margin-bottom: 10px;

}

.content{

width: 1000px;

margin: auto;

background-color: bisque;

padding: 20px;

}

.content li{

word-spacing: 5px;

line-height: 20px;

margin: 20px 0;

}

.indent

{

margin-left: 35px;

margin-top: 20px;

margin-bottom: 20px;

}

#color

{

font-size: 20px;

color: purple;

}

#color a{

color: blue;

text-decoration: none;

}

#color a:hover

{

text-decoration: underline;

}

.tributes{

display: flex;

flex-wrap: wrap;

justify-content: center;

align-items: center;

margin: auto;

background-color: #ccc;

}

.tributes div{

margin: 30px;

}

.tributes img{

width: 200px;

height: 200px;

}

input[type=text], select, textarea {

width: 100%;

padding: 12px;

border: 1px solid #ccc;

border-radius: 4px;

box-sizing: border-box;

margin-top: 6px;

margin-bottom: 16px;

}

button[type=submit] {

background-color: #04AA6D;

color: white;

padding: 12px 20px;

border: none;

border-radius: 4px;

cursor: pointer;

}

.forms {

border-radius: 5px;

background-color: bisque;

padding: 20px;

margin-top: 80px;

margin: auto;

width: 1000px;

}

.input-control {

display: flex;

flex-direction: column;

}

.input-control input {

border: 2px solid #f0f0f0;

border-radius: 4px;

display: block;

font-size: 12px;

padding: 10px;

width: 100%;

}

.input-control input:focus {

outline: 0;

}

.input-control.success input {

border-color: #09c372;

}

.input-control.error input {

border-color: #ff3860;

}

.input-control .error {

color: #ff3860;

font-size: 9px;

height: 13px;

}

@media screen and (max-width:590px) {

li

{

font-size: 20px;

margin: 20px 0;

}

.indent

{

font-size: 20px;

margin-top: 20px;

margin-bottom: 20px;

}

}

@media screen and (max-width:417px)

{

.content li

{

font-size: 30px;

margin: 20px 0;

line-height: 40px;

}

.indent

{

font-size: 30px;

margin-top: 20px;

margin-bottom: 20px;

}

#color

{

font-size: 30px;

}

}

**Output Screenshot:**





