MIT Vishwaprayag University

School of Computing

FULL STACK DEVELOPMENT ASSIGNMENTS

(HTML, CSS, JavaScript, React)

Submitted By:

Name: Abdulrazzak Shaikh
Roll No.: SCFP125062
Course: MCA (Semester1)

Submitted To:
Instructor: Prof. Anand Shimpi

Academic Year: 20252026

TABLE OF CONTENTS

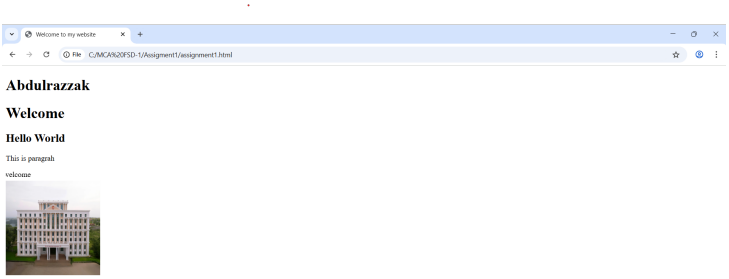
Assignment 01 Basic Programs

Aim: Demonstrate basic HTML tags and a welcome webpage.

Source Code

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Welcome to my website</title>
</head>
<body>
    <h1>Abdulrazzak</h1>
    <h1>Welcome</h1>
    <h2>Hello World</h2>

    <p>This is paragraph</p>
    <marquee>welcome</marquee>

    <img src="MIT VPU.webp" width="200" height="200" alt="MIT VPU">
</body>
</html>
```

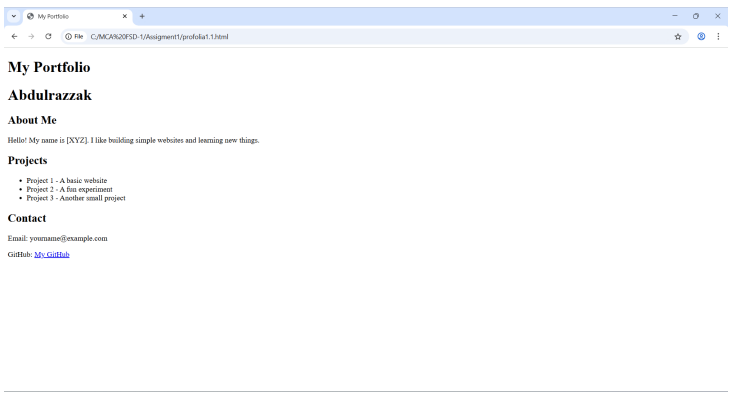
Output



Source Code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>My Portfolio</title>
</head>
<body>

  <h1>My Portfolio</h1>
  <h1>Abdulrazzak</h1>

  <h2>About Me</h2>
  <p>Hello! My name is [XYZ]. I like building simple websites and learning new
      things.</p>

  <h2>Projects</h2>
  <ul>
    <li>Project 1 - A basic website</li>
    <li>Project 2 - A fun experiment</li>
    <li>Project 3 - Another small project</li>
  </ul>

  <h2>Contact</h2>
  <p>Email: yourname@example.com</p>
  <p>GitHub: <a href="#">My GitHub</a></p>

</body>
</html>
```

Output



Source Code

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <form action="">
        Name : <input type="text" name="name"><br>
        Age : <input type="text" name="age"><br>
        Gender : <input type="text" name="gender"><br>
        Favourite Subbject:
        <select name="subject" id="">
            <option value="html">HTML</option>
            <option value="css">CSS</option>
            <option value="js">JS</option>
        </select><br>
        <input type="submit" value="submit">
    </form>
</body>
</html>
```

Output

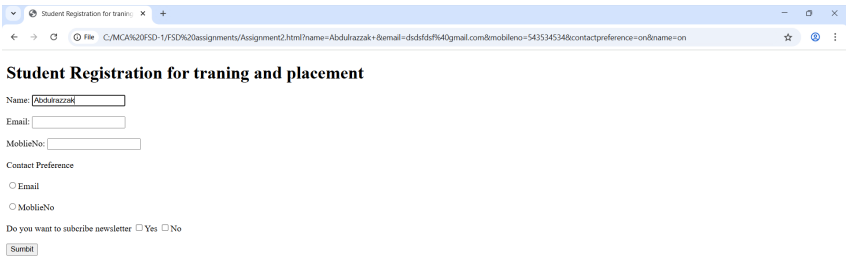
Assignment 02 Student Registration Form (HTML)

Aim: Create a student registration form demonstrating various input types.

Source Code

```
<!DOCTYPE html>
<html>
<head>
    <title>Student Registration</title>
</head>
<body>
    <h1>Student Registration</h1>
    <div class="container">
        <form>
            <label>name</label>
            <input type="text" id="name"><br>
            <label>email id</label>
            <input type="email" id="email"><br>
            <label>mobile</label>
            <input type="text" id="mobile"><br><br>
            <b>contact </b><br>
            <input type="radio" value="email">
            <label>email</label><br>
            <input type="radio" value="phone">
            <label>phone</label><br><br>
            <b>Do you want to subscribe newsletter?</b><br>
            <input type="checkbox" value="yes">
            <label>yes</label>
            <input type="checkbox" value="no">
            <label>no</label><br><br>
            <input type="submit" value="Submit">
        </form>
    </div>
</body>
</html>
```

Output


Student Registration for traning
File C:/MCA%20FSD-1/FSD%20assignments/Assignment2.html?name=Abdulrazzak+&email=dsdsfdsf%40gmail.com&mobileno=543534348&contactpreference=on&name=on
Student Registration for traning and placement
Name: Abdulrazzak
Email:
MoblieNo:
Contact Preference
Email
MoblieNo
Do you want to subcribe newsletter Yes No
Sumbit

Assignment 03 HTML Select Element

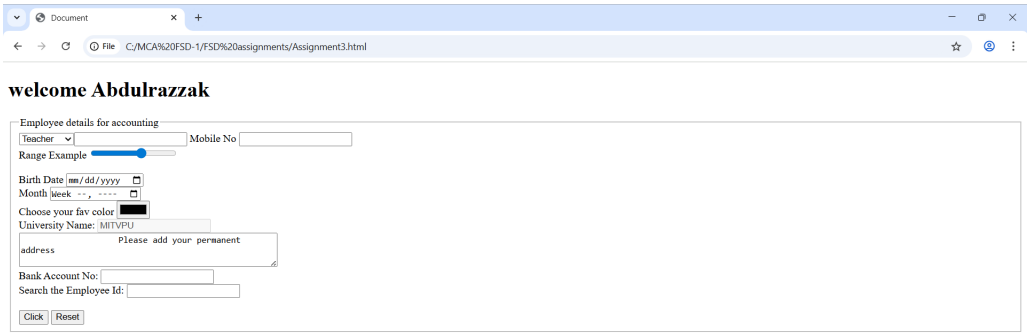
Aim: Demonstrate the HTML select element and various input types.

Source Code

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Document</title>
</head>
<body>
    <h1>This is example of textarea looks like</h1>
    <form>
    <fieldset>
         <h1>Welcome Abdulrazzak</h1>
        <input type="search" value="search" id="search1"><input type="button"
           name="button" value="Search" ><br><br>
        Role
        <select name="roles" >
            <option value="Deisnger">Designer</option>
            <option value="Tester">Tester</option>
            <option value="DevOps">DevOps</option>
            <option value="Engineer">Engineer</option>
        </select><br>
        <legend>Employee Details for accounting</legend>

        <textarea rows="3" cols="50">Please add your permnanat address</
           textarea><br><br>
        Bank Account No : <input type="password" name="baccount"><br><br>
        Email
        <input type="email" name="email"><br><br>
        Mobile No
        <input type="number" name="number"><br><br>
        Date
        <input type="date" name="date"><br><br>
        Month
        <input type="month" name="month"><br><br>
        WeekDays
        <input type="week" name="week"><br><br>
        Range
        <input type="range" min="5" max="10"><br><br>
        Color
        <input type="color" name="color"><br><br>
        Class
        <input type="text" name="en" value="MCA-I 2025" disabled><br><br>
        <input type="button" onclick="alert('your Details is submitted
           successfully')" value="click">
        <input type="reset" >
    </fieldset>
```

```
    </form>
</body>
</html>
```

Output



Assignment 04 CSS Selectors & Menu Driver Application

Aim: Demonstrate different CSS selectors and build a simple menu-driver application with HTML/CSS/JS.

Source Code: Selectors Example

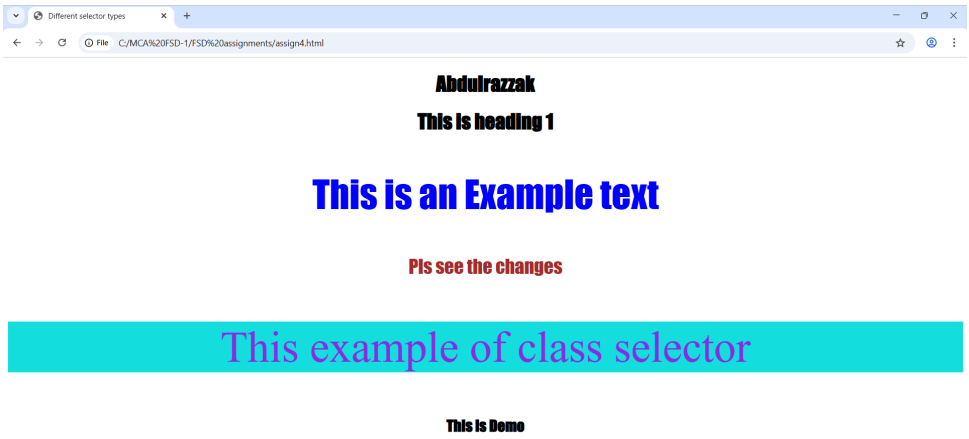
```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Selector Example</title>
<style>
    p { font-size: 25px; color: blueviolet; }
    #heading { font-family: Consolas; color: rgb(19, 61, 201); font-size: 25px;
        }
    .section { font-family: "Times New Roman", Times, serif; font-size: 25px; }
    * { background-color: aliceblue; font-family: Consolas; }
    h1, h2 { color: blue; font-size: 25px; }
</style>
</head>
<body>
<p>This is Element Selector</p><hr>
<p id="heading">This is Id Selector</p><hr>
<div class="section">
    <h3>This is class selector</h3><hr>
</div>
<h1>Welcome Abdulrazzak </h1>
<h2>This is heading tag for group Selector</h2>
</body>
</html>
```

Source Code: Menu Driver Application

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Menu Driver Application</title>
<style>
    body { font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif; margin
        : 0; padding: 0; }
    nav { background-color: #333; }
    nav ul { list-style-type: none; margin: 0; padding: 0; display: flex; }
    nav ul li { flex: 1; }
    nav ul li a { display: block; text-align: center; padding: 12px; color:
        white; text-decoration: none; }
    nav ul li a:hover { background: #ff9800; }
```

```
    section { display: none; padding: 20px; }
    .active { display: block; }
</style>
</head>
<body>
<nav>
    <ul>
        <li><a href="#" onclick="Showsection('home')">Home</a></li>
        <li><a href="#" onclick="Showsection('services')">Services</a></li>
        <li><a href="#" onclick="Showsection('about')">About</a></li>
        <li><a href="#" onclick="Showsection('contact')">Contact</a></li>
    </ul>
</nav>
<section id="home" class="active">
    <h2>Welcome Abdulrazzak!</h2>
    <p>Select any option from the menu above.</p>
</section>

<section id="services">
    <h2>Services</h2>
    <p>Perform simple operations here.</p>
</section>
<section id="about">
    <h2>About</h2>
    <p>This is a simple HTML & CSS based Menu Driver Application.</p>
</section>
<section id="contact">
    <h2>Contact</h2>
    <p>Email: support@example.com</p>
</section>
<script>
    function Showsection(id) {
        let section = document.querySelectorAll("section");
        section.forEach(sec => sec.classList.remove("active"));
        document.getElementById(id).classList.add("active");
    }
</script>
</body>
</html>
```

Output


Different selector types
File C:/MCA%20FSD-1/FSD%20assignments/assign4.html
Abdulrazzak
This is heading 1
This is an Example text
Pls see the changes
This example of class selector
This is Demo

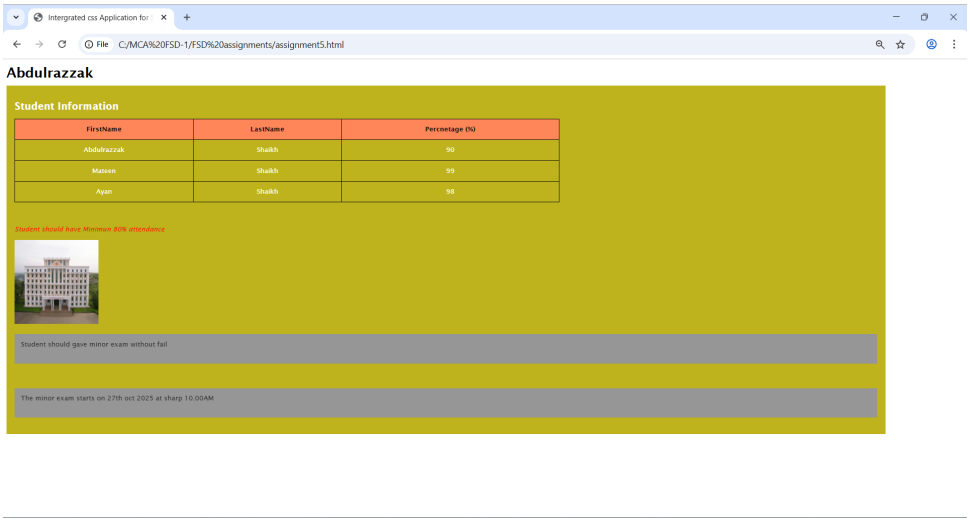
Assignment 05 Integrated CSS Application for Student Database

Aim: Create a student database web page using HTML tables and integrated CSS.

Source Code

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Integrated CSS Application for Student Database</title>
<style>
    body{ font-family: 'Times New Roman', Times, serif; line-height: 120%; }
    .container{ width: 90%; max-width: 800px; margin: 20px auto; padding: 20px;
        background: rgb(54, 151, 170); color: white; opacity: 0.95; }
    table{ border-collapse: collapse; width: 100%; margin-bottom: 20px; }
    th, td{ border: solid black 1px; }
    th{ background-color: rgb(78, 47, 47); color: aliceblue; }
    tr:hover{ background-color: #efdd88; opacity: 0.7; }
</style>
</head>
<body>
<div class="container">
    <h2 align="center">Student Information</h2>
    <table>
        <tr>
            <th>FirstName</th>
            <th>LastName</th>
            <th>Percentage (%)</th>
        </tr>
        <tr>
            <td>Abdulrazzak</td><td>shaikh</td><td>90</td>
        </tr>
        <tr>
            <td>mateen</td><td>shaikh</td><td>99</td>
        </tr>
        <tr>
            <td>Ayaan</td><td>shaikh</td><td>98</td>
        </tr>
    </table>
    <div class="custom-textSm">
        Minor Exam is Mandatory for everyone.
    </div>
</div>
</body>
</html>
```

Output


Intergrated css Application for
File C:/MCA%20FSD-1/FSD%20assignments/assignment5.html
Abdulrazzak
Student Information
FirstName
LastName
Percnetage (%)
Abdulrazzak
Shaikh
90
Mateen
Shaikh
99
Ayan
Shaikh
98
Student should have Minimum 80% attendance
Student should gave minor exam without fail
The minor exam starts on 27th oct 2025 at sharp 10.00AM

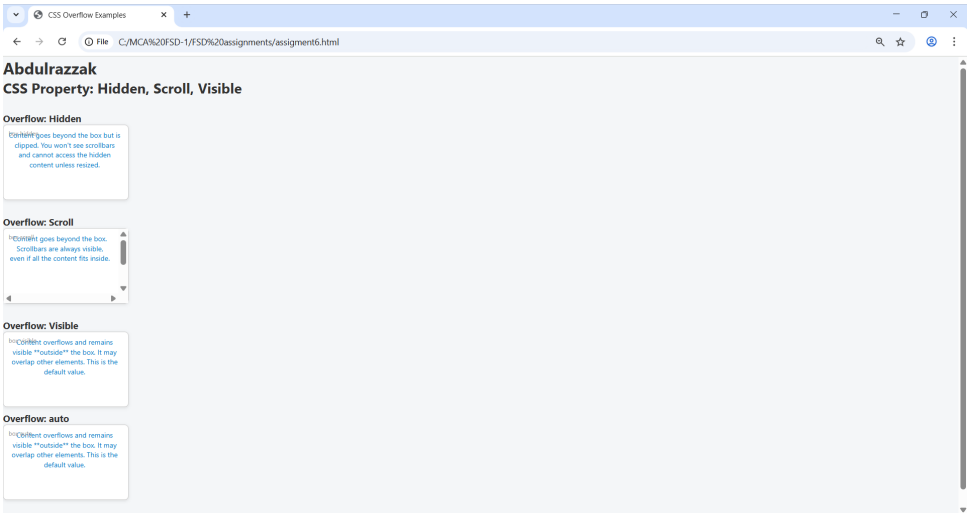
Assignment 06 CSS Overflow and Positioning

Aim: Demonstrate overflow properties and CSS positioning types.

Source Code

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>CSS Overflow property</title>
<style>
.box1{ width: 200px; height: 100px; border: 2px dashed red; margin: 20px;
    padding: 10px; background-color: darkseagreen; }
.overflow-visible{ overflow: visible; }
.overflow-hidden{ overflow: hidden; }
.overflow-scroll{ overflow: scroll; }
.overflow-auto{ overflow: auto; }
.container{ position: relative; width: 400px; height: 300px; border: 2px
    dotted green; margin: 20px; background-color: #e5afe5; }
.box{ width: 100px; height: 50px; padding: 10px; color: blue; font-weight:
    bold; text-align: center; }
.static-box{ position: static; background-color: aqua; }
.relative-box{ position: relative; top: 0px; left: 0px; background: green; }
.absolute-box{ position: absolute; top: 50px; right: 20px; background: red; }
.sticky-box{ position: sticky; top: 0; background-color: chartreuse; }
.fixed-box{ position: fixed; bottom: 10px; right: 10px; background: purple; }
</style>
</head>
<body>
<h2>Overflow Property</h2>
<div class="box1 overflow-visible"><b>Overflow: visible</b><br>Content...</div
    >
<div class="box1 overflow-hidden"><b>Overflow: hidden</b><br>Content...</div>
<div class="box1 overflow-scroll"><b>Overflow: scroll</b><br>Content...</div>
<div class="box1 overflow-auto"><b>Overflow: auto</b><br>Content...</div>

<div class="container">
    <div class="box static-box">Static</div>
    <div class="box relative-box">Relative</div>
    <div class="box absolute-box">Absolute</div>
    <div class="box sticky-box">Sticky</div>
</div>

<div class="box fixed-box"><b>Overflow: fixed</b></div>
</body>
</html>
```

Output


CSS Overflow Examples
File C:/MCA%20FSD-1/FSD%20assignments/assigment6.html
Abdulrazzak
CSS Property: Hidden, Scroll, Visible
Overflow: Hidden
Content goes beyond the box but is clipped. You won't see scrollbars and cannot access the hidden content unless resized.
Overflow: Scroll
Content goes beyond the box. Scrollbars are always visible, even if all the content fits inside.
Overflow: Visible
Content overflows and remains visible **outside** the box. It may overlap other elements. This is the default value.
Overflow: auto
Content overflows and remains visible **outside** the box. It may overlap other elements. This is the default value.

Assignment 07 CSS Box Model Demonstration

Aim: Demonstrate the CSS box model with student information.

Source Code

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Document</title>
<style>
.box{ width: 250px; height: 100px; padding: 20px; border: 5px solid black;
   margin: 20px; background-color: rgb(58, 227, 211); color: rgb(159, 8, 59);
   font-weight: bold; }
.info{ font-family: Arial, Helvetica, sans-serif; background-color: brown;
   padding: 20px; margin: 20px 0; border: 2px dashed gray; }
</style>
</head>
<body>
<h2>Student Information CSS Box Model Demonstration</h2>
<div class="info">
   <p><b>Student Database:</b></p>
   <ul>
       <li>Contact - Student Name : Mr. Abdulrazzak</li>
       <li>Percentage - 90%</li>
       <li>Branch : MCA</li>
       <li>University - MITWPU</li>
   </ul>
</div>
<div class="box">
   This is the Student CONTENT AREA.<br>(250px 𝔼 100px)
</div>
</body>
</html>
```

Output


Document
File C:/MCA%20FSD-1/FSD%20assignments/assigment7.html
Welcome Abdulrazzak
Student Information CSS Box Model Demonstration
Student Database
Contact- Student Name : Mr.Abdulrazzak
Percetage- 90%
Branch : MCA
University -MITVPU
This is the Student CONTENT AREA:
(250px * 100px)

Assignment 08 Pseudo Class Hover and Buttons

Aim: Demonstrate CSS :hover pseudo-class and Bootstrap buttons.

Source Code

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>CSS Hover & Buttons</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.
   min.css" rel="stylesheet">
<style>
.btn-class{ background-color: rgb(9, 103, 0); color: white; padding: 10px;
   border: 0; border-radius: 8px; font-size: 15px; }
.btn-hover{ background-color: rgb(9, 103, 109); color: white; padding: 10px;
   border: 0; border-radius: 8px; font-size: 15px; }
.btn-hover:hover{ background-color: rgb(127, 196, 121); transform: scale(1.1);
    transition: 0.4s; }
.btnf{ display: inline-flex; padding: 10px; transition: all 0.5s ease; cursor:
    pointer; }
.btnf:hover{ transform: translateX(5px); box-shadow: 0px 8px 15px rgba
   (0,0,0,0.2); }
</style>
</head>
<body>
<h1>Animated CSS Button Class Example</h1>
<button class="btn btn-class">Hover Me</button>
<hr>
<h1>CSS Hover Pseudo Class Example</h1>
<button class="btn-hover">Hover Me</button>
<hr>
<h2>Bootstrap Button Classes</h2>
<button type="button" class="btn btn-secondary">Secondary</button>
<button type="button" class="btn btn-success">Success</button>
<button type="button" class="btn btn-danger">Danger</button>
</body>
</html>
```

Output


This is a Pseudo Class- CSS But
File
C:/MCA%20FSD-1/FSD%20assignments/assignment8.html
welcome Abdulrazzak
CSS Hover Pseudo Class Example
Hover Me

Assignment 09 CSS 2D Transform & Attribute Selectors

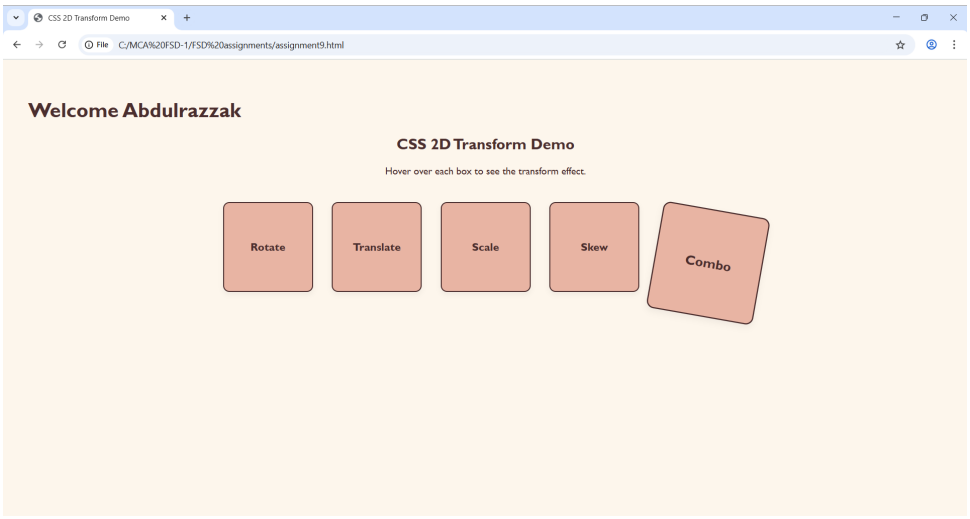
Aim: Demonstrate CSS 2D transforms (rotate, scale, translate, skew) and attribute selectors in CSS.

Source Code

(Sourced from uploaded file: :contentReference[oaicite:0]index=0)

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>CSS 2D Transform Demo</title>
<style>
.container{ display:flex; gap:15px; }
.box{ width:100px; height:100px; background:lightgreen;
     display:flex; justify-content:center; align-items:center;
     border-radius:8px; transition:0.5s; font-weight:bold; }
.rotate:hover{ transform: rotate(20deg); }
.scale:hover{ transform: scale(1.2); }
.translate:hover{ transform: translate(20px,10px); }
.skew:hover{ transform: skew(10deg,5deg); }
</style>
</head>
<body>
<h2>CSS 2D Transform</h2>
<div class="container">
    <div class="box rotate">Rotate</div>
    <div class="box scale">Scale</div>
    <div class="box translate">Move</div>
    <div class="box skew">Skew</div>
</div>
</body>
</html>
```

Output


CSS 2D Transform Demo
File C:/MCA%20FSD-1/FSD%20assignments/assignment9.html
Welcome Abdulrazzak
CSS 2D Transform Demo
Hover over each box to see the transform effect.
Rotate
Translate
Scale
Skew
Combo

Assignment 10 JavaScript Events Demo

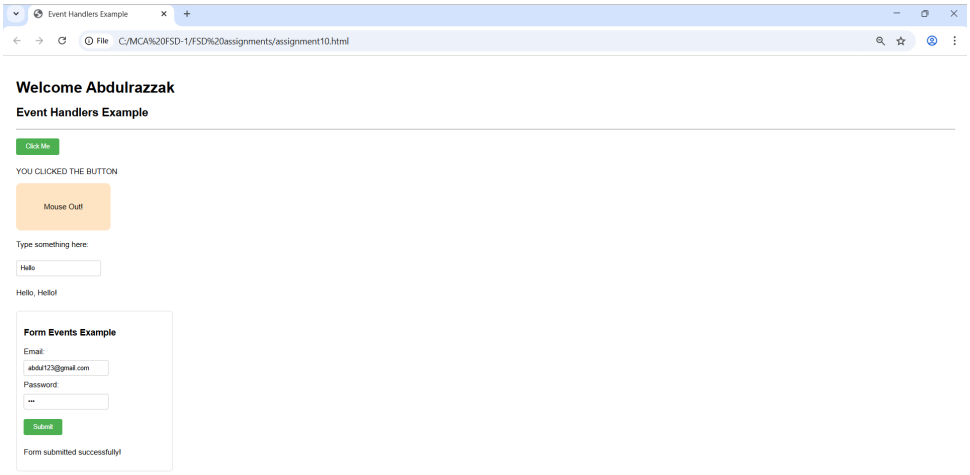
Aim: Demonstrate JavaScript events such as click, mouseover, mouseout, keyup, keydown.

Source Code

(Sourced from uploaded file: :contentReference[oaicite:1]index=1)

```
<!DOCTYPE html>
<html>
<body>
<button onclick="info()">Click Me</button>

<div onmouseover="hoverIn(this)"
     onmouseout="hoverOut(this)"
     style="width:200px; height:100px; background:lightblue;">
Mouse Event
</div>

<input type="text" onkeyup="showText(event)">
<p id="msg"></p>

<script>
function info(){ alert("Button Clicked!"); }
function hoverIn(x){ x.style.background="orange"; }
function hoverOut(x){ x.style.background="lightblue"; }

function showText(e){
 document.getElementById("msg").innerText = e.target.value;
}
</script>
</body>
</html>
```

Output


Event Handlers Example
File C:/MCA%20FSD-1/FSD%20assignments/assignment10.html
Welcome Abdulrazzak
Event Handlers Example
Click Me
YOU CLICKED THE BUTTON
Mouse Out!
Type something here:
Hello
Hello, Hello!
Form Events Example
Email:
abdul123@gmail.com
Password:
Submit
Form submitted successfully!

Assignment 11 JavaScript String Methods

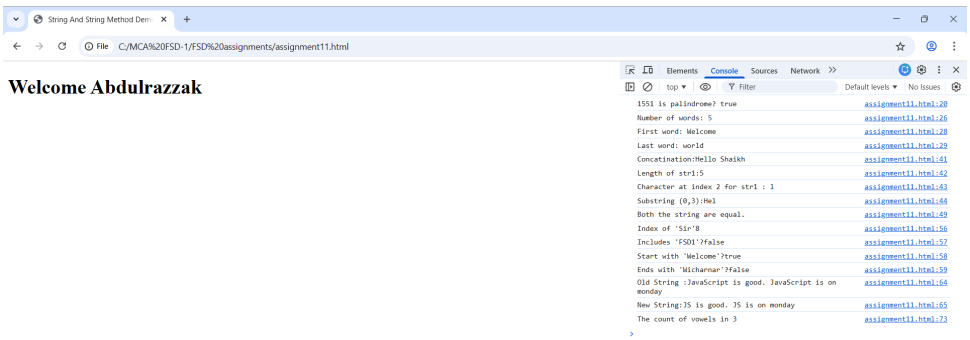
Aim: Demonstrate JavaScript string functions such as length, slice, substring, replace, includes.

Source Code

(Sourced from uploaded file: :contentReference[oaicite:2]index=2)

```
<!DOCTYPE html>
<html>
<body>
<script>
let str = "Hello JavaScript";

console.log("Length:", str.length);
console.log("Upper:", str.toUpperCase());
console.log("Lower:", str.toLowerCase());
console.log("Slice:", str.slice(0,5));
console.log("Substring:", str.substring(6,16));
console.log("Includes 'Java':", str.includes("Java"));
console.log("Replace:", str.replace("JavaScript","World"));
</script>
</body>
</html>
```

Output



Assignment 12 JavaScript Conditional Statements

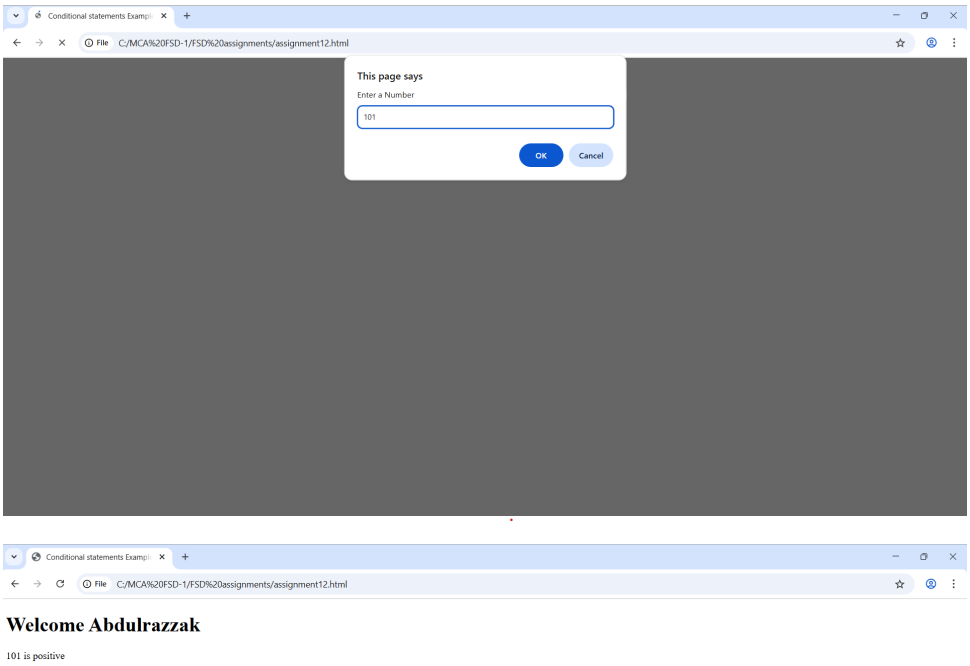
Aim: Demonstrate if, ifelse, elseif ladder, and simple conditional checks.

Source Code

(Sourced from uploaded file: :contentReference[oaicite:3]index=3)

```
<!DOCTYPE html>
<html>
<body>
<script>
let num = parseInt(prompt("Enter number"));

if(num > 0){
    console.log(num + " is positive");
}else{
    console.log(num + " is negative");
}

if(num % 2 == 0){
    console.log(num + " is Even");
}else{
    console.log(num + " is Odd");
}

// grade example
let marks = 85;

if(marks >= 90){ console.log("Grade A+"); }
else if(marks >= 75){ console.log("Grade A"); }
else if(marks >= 60){ console.log("Grade B"); }
else{ console.log("Fail"); }
</script>
</body>
</html>
```

Output


Conditional statements Exampl
File C:/MCA%20FSD-1/FSD%20assignments/assignment12.html
This page says
Enter a Number
101
OK
Cancel
Conditional statements Exampl
File C:/MCA%20FSD-1/FSD%20assignments/assignment12.html
Welcome Abdulrazzak
101 is positive

Assignment 13 JavaScript Arrays

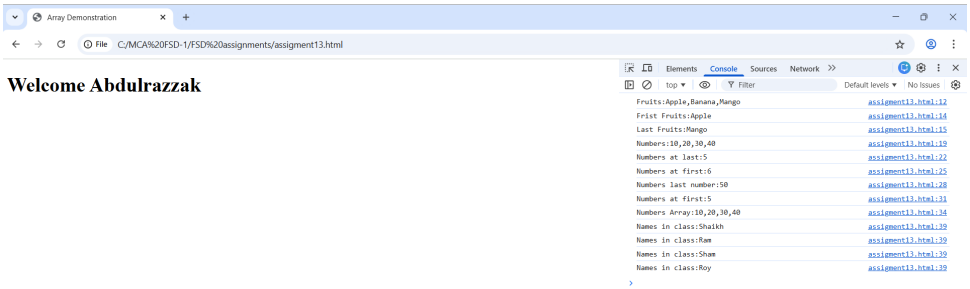
Aim: Demonstrate JavaScript array operations (push, pop, shift, traversal).

Source Code

(Sourced from uploaded file: :contentReference[oaicite:4]index=4)

```
<!DOCTYPE html>
<html>
<body>
<script>
let fruits=['Apple','Banana','Mango'];
console.log("Fruits:", fruits);

console.log("First:", fruits[0]);
console.log("Last:", fruits[fruits.length-1]);

let numbers=[10,20,30,40];

numbers.push(50);
numbers.unshift(5);
numbers.pop();
numbers.shift();

console.log("Updated numbers:", numbers);

let names=['Shaikh','Ram','Sham','Roy'];
for(let i=0;i<names.length;i++){
    console.log(names[i]);
}
</script>
</body>
</html>
```

Output


Array Demonstration
File C:/MCA%20FSD-1/FSD%20assignments/assigment13.html
Welcome Abdulrazzak
Elements Console Sources Network
top Filter Default levels No Issues
Fruits:Apple,Banana,Mango assigment13.html:12
Frist Fruits:Apple assigment13.html:14
Last Fruits:Mango assigment13.html:15
Numbers:10,20,30,40 assigment13.html:19
Numbers at last:5 assigment13.html:22
Numbers at first:6 assigment13.html:25
Numbers last number:50 assigment13.html:28
Numbers at first:5 assigment13.html:31
Numbers Array:10,20,30,40 assigment13.html:34
Names in class:Shaikh assigment13.html:39
Names in class:Ram assigment13.html:39
Names in class:Sham assigment13.html:39
Names in class:Roy assigment13.html:39

Assignment 14 JavaScript Functions (Total, Average, Grade)

Aim: Demonstrate functions for computing total marks, average, and grade.

Source Code

(Sourced from uploaded file: :contentReference[oaicite:5]index=5)

```
<!DOCTYPE html>
<html>
<body>
<script>
let marks = [82, 42, 98, 65, 80, 90];

function avg(m){
   let t = 0;
   for(let i=0;i<m.length;i++){ t += m[i]; }
   return t / m.length;
}

function total(m){
   let s = 0;
   for(let i=0;i<m.length;i++){ s += m[i]; }
   return s;
}

function grade(a){
   if(a >= 95) return "A+";
   else if(a >= 90) return "A";
   else if(a >= 75) return "B";
   else if(a >= 60) return "C";
   else return "Fail";
}

console.log("Average:", avg(marks));
console.log("Total:", total(marks));
console.log("Grade:", grade(avg(marks)));
</script>
</body>
</html>
```

Output


Function Assignment
File C:/MCA%20FSD-1/FSD%20assignments/assignment14.html
Welcome Abdulrazzak
Elements Console Sources Network
top Filter Default levels No Issues
Average Marks: 76.17 assignment14.html:17
Total Marks: 457 assignment14.html:20
Grade: B assignment14.html:23

Assignment 15 JavaScript DOM Selectors

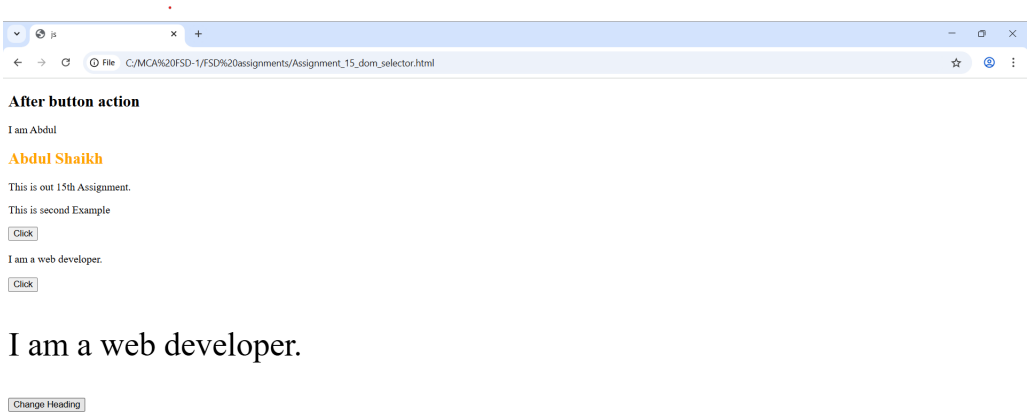
Aim: Demonstrate DOM methods like getElementById, getElementsByClassName, querySelector, querySelectorAll.

Source Code

(Sourced from uploaded file: :contentReference[oaicite:6]index=6)

```
<!DOCTYPE html>
<html>
<body>
<h2 id="title">Original Title</h2>
<p class="info">Paragraph 1</p>
<p class="info">Paragraph 2</p>

<button onclick="change()">Click</button>

<script>
function change(){
   document.getElementById("title").innerText = "Updated Title";

   let p = document.getElementsByClassName("info");
   console.log("First Para:", p[0].innerText);

   let first = document.querySelector(".info");
   console.log("querySelector:", first.innerText);

   let all = document.querySelectorAll(".info");
   all.forEach(x => console.log(x.innerText));
}
</script>
</body>
</html>
```

Output


js
File C:/MCA%20FSD-1/FSD%20assignments/Assignment_15_dom_selector.html
After button action
I am Abdul
Abdul Shaikh
This is out 15th Assignment.
This is second Example
Click
I am a web developer.
Click
I am a web developer.
Change Heading

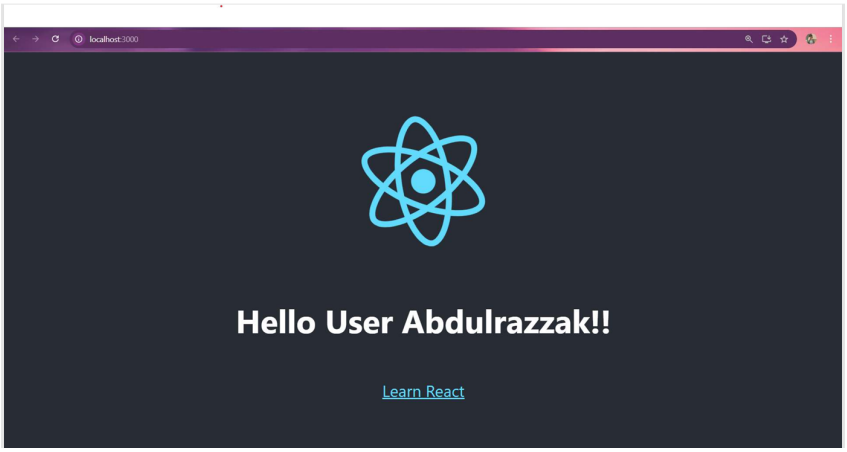
Assignment 16 React Application

Aim: Basic React components .

Program 1 App.jsx (Hello + logo)

```
import logo from './logo.svg';
import './App.css';

function App() {
  return (
    <div className="App">
      <header className="App-header">
        <img src={logo} className="App-logo" alt="logo" />
        <p>
          <h1>Hello User Abdulrazzak!!</h1>
        </p>
        <a
          className="App-link"
          href="https://reactjs.org"
          target="_blank"
          rel="noopener noreferrer"
        >
          Learn React
        </a>
      </header>
    </div>
  );
}

export default App;
```

Output (screenshot from PDF)



Program 2 Student component (props) and App using it

```
import React from "react";

function Student(props) {
  return (
    <center>
      <div>
        <h3>Name : {props.name}</h3>
        <p>Course : {props.course}</p>
      </div>
    </center>
  );
}

export default function App() {
  return (
    <div>
      <Student name="zaid" course="MCA" />
      <Student name="shaikh" course="BCA" />
      <Student name="utkarsh" course="BTech" />
    </div>
  );
}
```

Output (screenshot from PDF)

Program 3 Counter using useState

```
import React, { useState } from "react";

export default function App() {
  const [count, setCount] = useState(0);

  return (
    <>

      <h3>Click The Buttons Below</h3>
      <h2>Count : {count}</h2>
      <button onClick={() => setCount(count + 1)}>Plus(+)</button><br />
      <button onClick={() => setCount(count - 1)}>Minus(-)</button>
    </>
  );
}
```

Output (screenshot from PDF)

Program 4 Toggle message using useState

```
import React, { useState } from "react";

export default function App() {
  const [show, setShow] = useState(true);

  return (
    <>
      {show && <h3>Welcome to razzak React Program!</h3>}
      <button onClick={() => setShow(!show)}>Click Here Toggle</button>
    </>
  );
}
```

Output (screenshot from PDF)

Welcome to razzak React Program!

Program 5 Array map() example (list rendering)

```
import React from "react";

export default function App() {
  const students = ["zaid", "shaikh", "sujal", "yusuf","sufiyan"];

  return (
    <div>
      <h1>Names Of Student In MCA-I :</h1>
      <ul>
        {students.map((name, index) => (
          <li key={index}>{name}</li>
        ))}
      </ul>
    </div>
  );
}
```

Output (screenshot from PDF)