

Name: Abdurrahman Qureshi

Roll No: 242466

Practical No: 5

Date Of Performance: 14/08/2025

Aim:

THEORY:

Q) Implement DOM manipulation to demonstrate a login form

CODE:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Login</title>
    <link
      href="https://cdn.jsdelivr.net/npm/tailwindcss@2.2.19/dist/tailwind.min
.css"
      rel="stylesheet"
    />
  </head>
  <body
    class="w-screen h-screen flex flex-row justify-center items-center bg-gray-
100"
  >
    <form
      class="flex flex-col gap-4 w-full max-w-md p-6 bg-white rounded-lg
shadow-md"
    >
```

```

<h1 class="text-2xl font-bold text-center text-gray-800">Login</h1>

<div class="flex flex-col gap-1">
  <label for="email" class="text-sm font-medium text-gray-700">
    Email</label>
  >
  <input
    id="email"
    name="email"
    type="email"
    required
    class="border border-gray-300 p-2 rounded-md focus:outline-none
focus:ring-2 focus:ring-blue-500"
    placeholder="Enter your email"
  />
</div>

<div class="flex flex-col gap-1">
  <label for="password" class="text-sm font-medium text-gray-700">
    Password</label>
  >
  <input
    id="password"
    name="password"
    type="password"
    required
    class="border border-gray-300 p-2 rounded-md focus:outline-none
focus:ring-2 focus:ring-blue-500"
    placeholder="Enter your password"
  />
</div>

<button
  type="submit"
  class="bg-blue-600 hover:bg-blue-700 text-white font-medium py-2
px-4 rounded-md transition-colors duration-200 focus:outline-none focus:ring-2
focus:ring-blue-500 focus:ring-offset-2"
  >
  Sign In
</button>

<!-- <p class="text-center text-sm text-gray-600 mt-4">

```

```
        Demo credentials:<br />
        Email: scythethroughtheheart05@gmail.com<br />
        Password: iLoveGymMommies05
    </p> -->
</form>

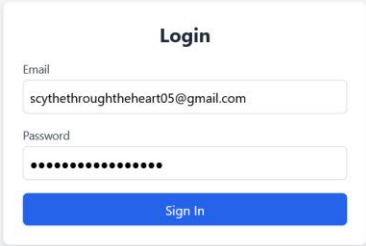
<script>
    document
        .querySelector("form")
        .addEventListener("submit", function (e) {
            e.preventDefault();

            const email = document.getElementById("email").value;
            const password = document.getElementById("password").value;

            if (email.length === 0 || password.length === 0) {
                alert("Please fill in all fields");
                return;
            }

            if (
                email === "scythethroughtheheart05@gmail.com" &&
                password === "iLoveGymMommies05"
            ) {
                alert("Login Successful");
            } else {
                alert("Invalid Credentials");
            }
        });
</script>
</body>
</html>
```

OUTPUT:

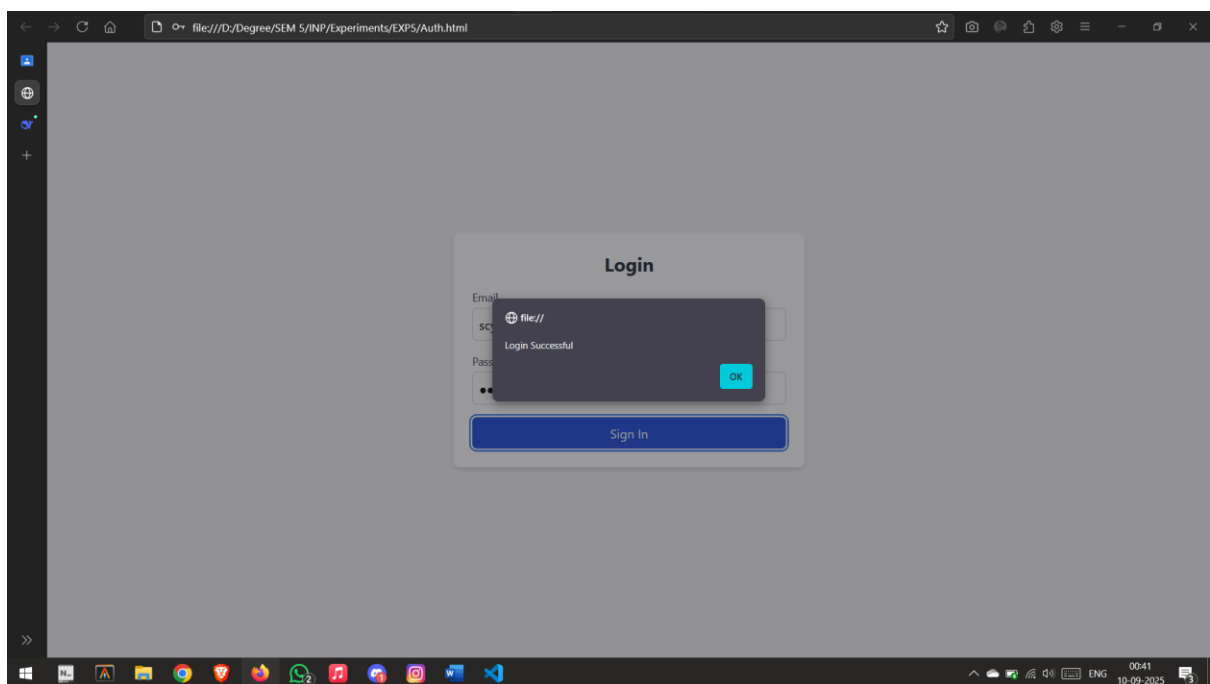


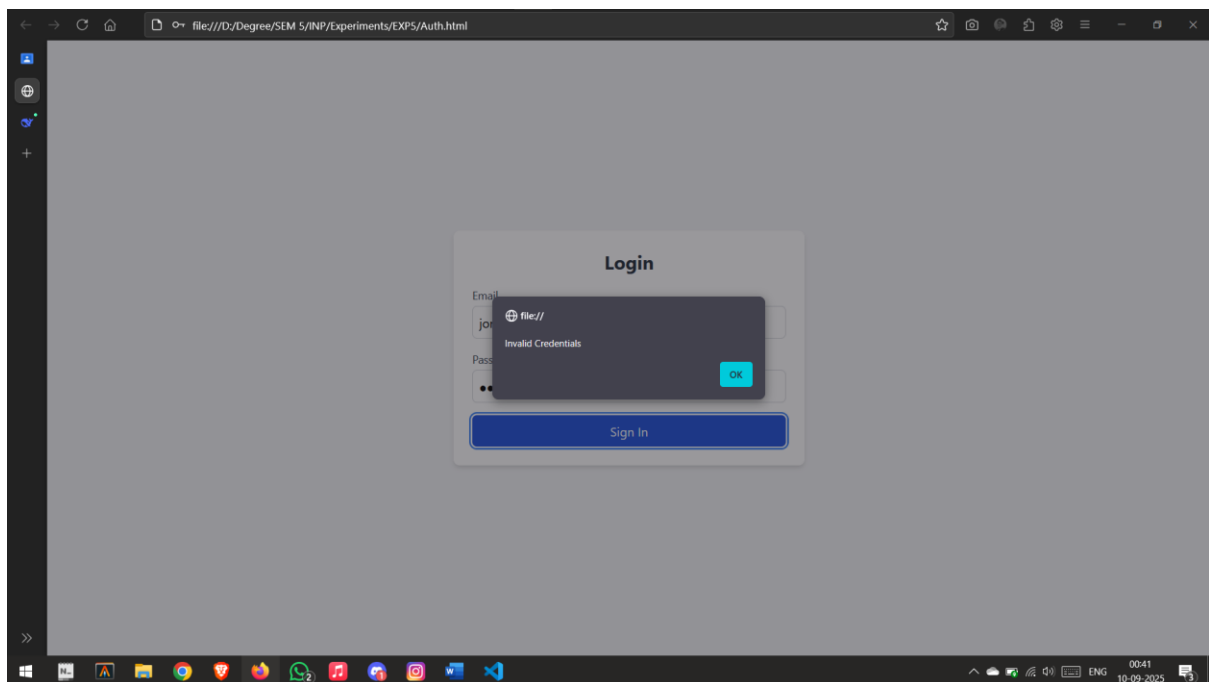
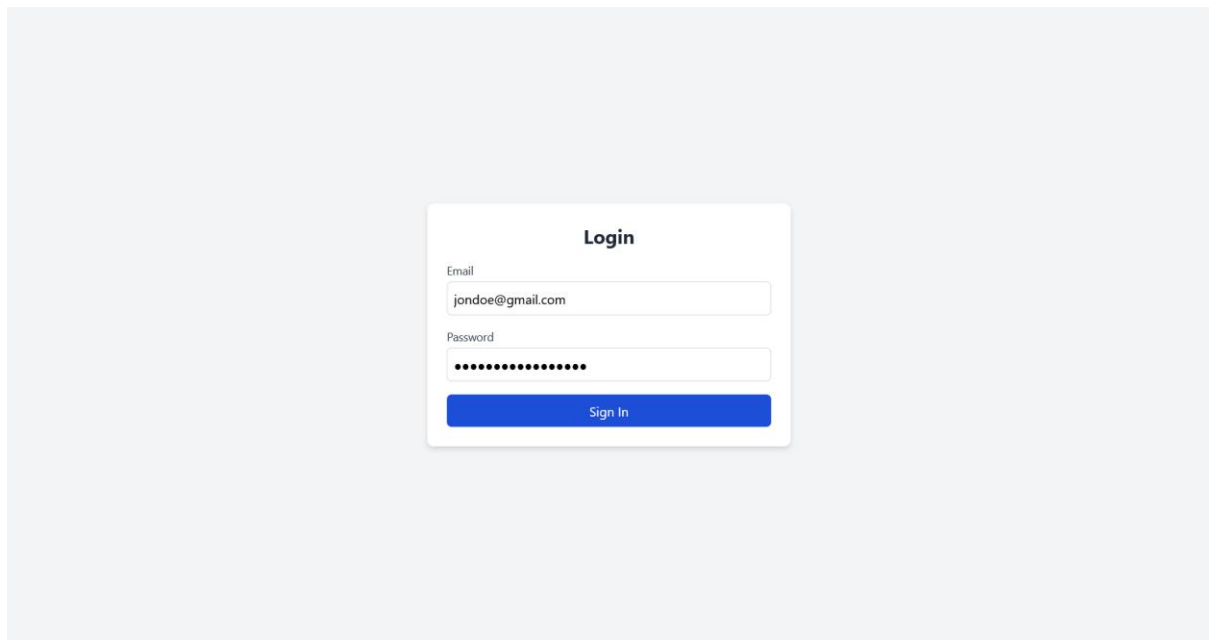
Login

Email
scythethroughtheheart05@gmail.com

Password
••••••••••••••••

Sign In





Q) Implement an age calculator

CODE:

```
<!DOCTYPE html>
<html lang="en">
  <head>
```

```

<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Age Calculator</title>
<link
    href="https://cdn.jsdelivr.net/npm/tailwindcss@2.2.19/dist/tailwind.min
.css"
    rel="stylesheet"
/>
</head>
<body class="w-screen h-screen flex flex-row justify-center items-center">
    <form
        class="flex flex-col gap-4 w-full max-w-md bg-white p-8 rounded-lg
shadow-md"
    >
        <h1 class="text-3xl font-bold text-center text-gray-800 mb-4">
            Age Calculator
        </h1>

        <div class="flex flex-col gap-1">
            <label for="dob" class="text-gray-700">Date of Birth</label>
            <input
                id="dob"
                type="date"
                class="border border-gray-300 p-2 rounded-md focus:outline-
none"
                max=""
            />
        </div>

        <button
            type="button"
            onclick="calculateAge()"
            class="mt-4 text-black font-medium py-2 px-4 rounded-md transition
duration-200"
        >
            Calculate Age
        </button>

        <div id="result" class="mt-6 p-4 rounded-md hidden">
            <h2 class="text-xl font-semibold">Your Age</h2>
            <div class="mt-2 grid grid-cols-3 gap-4 text-center">
                <div>

```

```
        <p class="text-4xl font-bold" id="years">0</p>
        <p class="text-black">Years</p>
    </div>
    <div>
        <p class="text-4xl font-bold" id="months">0</p>
        <p class="text-black">Months</p>
    </div>
    <div>
        <p class="text-4xl font-bold" id="days">0</p>
        <p class="text-black">Days</p>
    </div>
</div>
</form>
```

```
<script>
    document.getElementById("dob").max = new Date()
        .toISOString()
        .split("T")[0];

    function calculateAge() {
        const dobInput = document.getElementById("dob");
        const resultDiv = document.getElementById("result");

        if (!dobInput.value) {
            alert("Please select your date of birth");
            return;
        }

        const dob = new Date(dobInput.value);
        const today = new Date();

        let years = today.getFullYear() - dob.getFullYear();
        let months = today.getMonth() - dob.getMonth();
        let days = today.getDate() - dob.getDate();

        if (days < 0) {
            months--;
            const lastMonth = new Date(
                today.getFullYear(),
                today.getMonth(),
```

```

        0
    );
    days += lastMonth.getDate();
}

if (months < 0) {
    years--;
    months += 12;
}

document.getElementById("years").textContent = years;
document.getElementById("months").textContent = months;
document.getElementById("days").textContent = days;

resultDiv.classList.remove("hidden");
}
</script>
</body>
</html>

```

OUTPUT:

Age Calculator

Date of Birth

17 / 01 / 2005

Calculate Age

Your Age

20
Years

7
Months

24
Days

CONCLUSION: