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Practical No: 5

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Aim: Implementation of Java Script ES6.

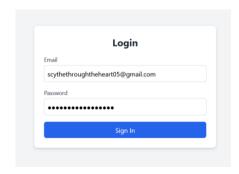
Q) Implement DOM manipulation to demonstrate a login form

CODE:

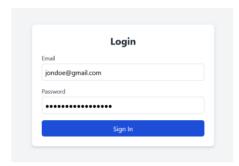
```
<!DOCTYPE html>
                                                                 <h1 class="text-2xl font-bold
                                                     text-center text-gray-800">Login</h1>
<html lang="en">
    <head>
                                                                 <div class="flex flex-col gap-</pre>
        <meta charset="UTF-8" />
                                                     1">
        <meta name="viewport"
                                                                     <label for="email"</pre>
content="width=device-width, initial-
                                                     class="text-sm font-medium text-gray-700"
scale=1.0" />
                                                                         >Email</label
        <title>Login</title>
        link
                                                                     <input
            href="https://cdn.jsdelivr.net/
npm/tailwindcss@2.2.19/dist/tailwind.min.cs
                                                                         id="email"
                                                                         name="email"
            rel="stylesheet"
                                                                         type="email"
        />
                                                                         required
    </head>
                                                                         class="border border-
                                                     gray-300 p-2 rounded-md focus:outline-none
    <body
                                                     focus:ring-2 focus:ring-blue-500"
        class="w-screen h-screen flex flex-
row justify-center items-center bg-gray-
                                                                         placeholder="Enter your
100"
                                                     email"
                                                                     />
                                                                 </div>
        <form
            class="flex flex-col gap-4 w-
full max-w-md p-6 bg-white rounded-lg
                                                                 <div class="flex flex-col gap-
shadow-md"
                                                                     <label for="password"
                                                     class="text-sm font-medium text-gray-700"
```

```
>Password</label
                                                             <script>
                                                                 document
                <input
                                                                     .querySelector("form")
                    id="password"
                                                                     .addEventListener("submit",
                                                    function (e) {
                    name="password"
                                                                         e.preventDefault();
                    type="password"
                    required
                                                                         const email =
                    class="border border-
                                                    document.getElementById("email").value;
gray-300 p-2 rounded-md focus:outline-none
focus:ring-2 focus:ring-blue-500"
                                                                         const password =
                                                    document.getElementById("password").value;
                    placeholder="Enter your
password"
                                                                         if (email.length === 0
                />
                                                     || password.length === 0) {
            </div>
                                                                             alert("Please fill
                                                    in all fields");
            <button
                                                                             return;
                type="submit"
                                                                         }
                class="bg-blue-600
hover:bg-blue-700 text-white font-medium
py-2 px-4 rounded-md transition-colors
                                                                         if (
duration-200 focus:outline-none focus:ring-
                                                                             email ===
2 focus:ring-blue-500 focus:ring-offset-2"
                                                     "scythethroughtheheart05@gmail.com" &&
                                                                             password ===
                                                     "iLoveGymMommies05"
                Sign In
            </button>
                                                                         ) {
                                                                             alert("Login
                                                    Successful");
            <!-- <pre><!-- <pre>class="text-center
text-sm text-gray-600 mt-4">
                                                                         } else {
                Demo credentials:<br />
                                                                             alert("Invalid
                                                    Credentials");
                Email:
scythethroughtheheart05@gmail.com<br />
                                                                         }
                Password: iLoveGymMommies05
                                                                     });
                                                             </script>
             -->
                                                        </body>
        </form>
                                                    </html>
```

OUTPUT:









Q) Implement an age calculator

CODE:

```
<!DOCTYPE html>
                                                                    class="border border-
                                                 gray-300 p-2 rounded-md focus:outline-none"
<html lang="en">
                                                                    max=""
   <head>
                                                                />
       <meta charset="UTF-8" />
                                                            </div>
       <meta name="viewport"
content="width=device-width, initial-
scale=1.0" />
                                                            <button
       <title>Age Calculator</title>
                                                                type="button"
       <link
                                                                onclick="calculateAge()"
           href="https://cdn.jsdelivr.net/
                                                                class="mt-4 text-black
npm/tailwindcss@2.2.19/dist/tailwind.min.cs
                                                 font-medium py-2 px-4 rounded-md transition
                                                 duration-200"
           rel="stylesheet"
       />
                                                                Calculate Age
   </head>
                                                            </button>
    <body class="w-screen h-screen flex</pre>
flex-row justify-center items-center">
                                                            <div id="result" class="mt-6 p-
                                                 4 rounded-md hidden">
           class="flex flex-col gap-4 w-
                                                                <h2 class="text-xl font-
full max-w-md bg-white p-8 rounded-lg
                                                 semibold">Your Age</h2>
shadow-md"
                                                                <div class="mt-2 grid grid-
                                                 cols-3 gap-4 text-center">
           <h1 class="text-3xl font-bold
                                                                    <div>
text-center text-gray-800 mb-4">
                                                                        Age Calculator
                                                 font-bold" id="years">0
           </h1>
                                                                        black">Years
                                                                    </div>
           <div class="flex flex-col gap-</pre>
1">
                                                                    <div>
               <label for="dob"
                                                                        class="text-gray-700">Date of Birth</label>
                                                 font-bold" id="months">0
               <input
                                                                        id="dob"
                                                 black">Months
                   type="date"
                                                                    </div>
```

```
<div>
                                                                 let days = today.getDate()
                                                  - dob.getDate();
                       font-bold" id="days">0
                                                                 if (days < 0) {
                       months--;
black">Days
                                                                     const lastMonth = new
                   </div>
                                                  Date(
                </div>
                                                                         today.getFullYear()
            </div>
                                                                         today.getMonth(),
       </form>
        <script>
                                                                     );
           document.getElementById("dob").
max = new Date()
                                                                     days +=
                                                  lastMonth.getDate();
                .toISOString()
                                                                 }
                .split("T")[0];
                                                                 if (months < 0) {
            function calculateAge() {
                                                                     years--;
                const dobInput =
document.getElementById("dob");
                                                                     months += 12;
                const resultDiv =
                                                                 }
document.getElementById("result");
                                                                 document.getElementById("ye
                                                  ars").textContent = years;
                if (!dobInput.value) {
                                                                 document.getElementById("mo
                                                  nths").textContent = months;
                   alert("Please select
your date of birth");
                                                                  document.getElementById("da
                                                  ys").textContent = days;
                   return;
                                                                 resultDiv.classList.remove(
               const dob = new
                                                  "hidden");
Date(dobInput.value);
                                                             }
                const today = new Date();
                                                          </script>
                let years =
today.getFullYear() - dob.getFullYear();
                                                      </body>
                let months =
                                                  </html>
today.getMonth() - dob.getMonth();
```

OUTPUT:

