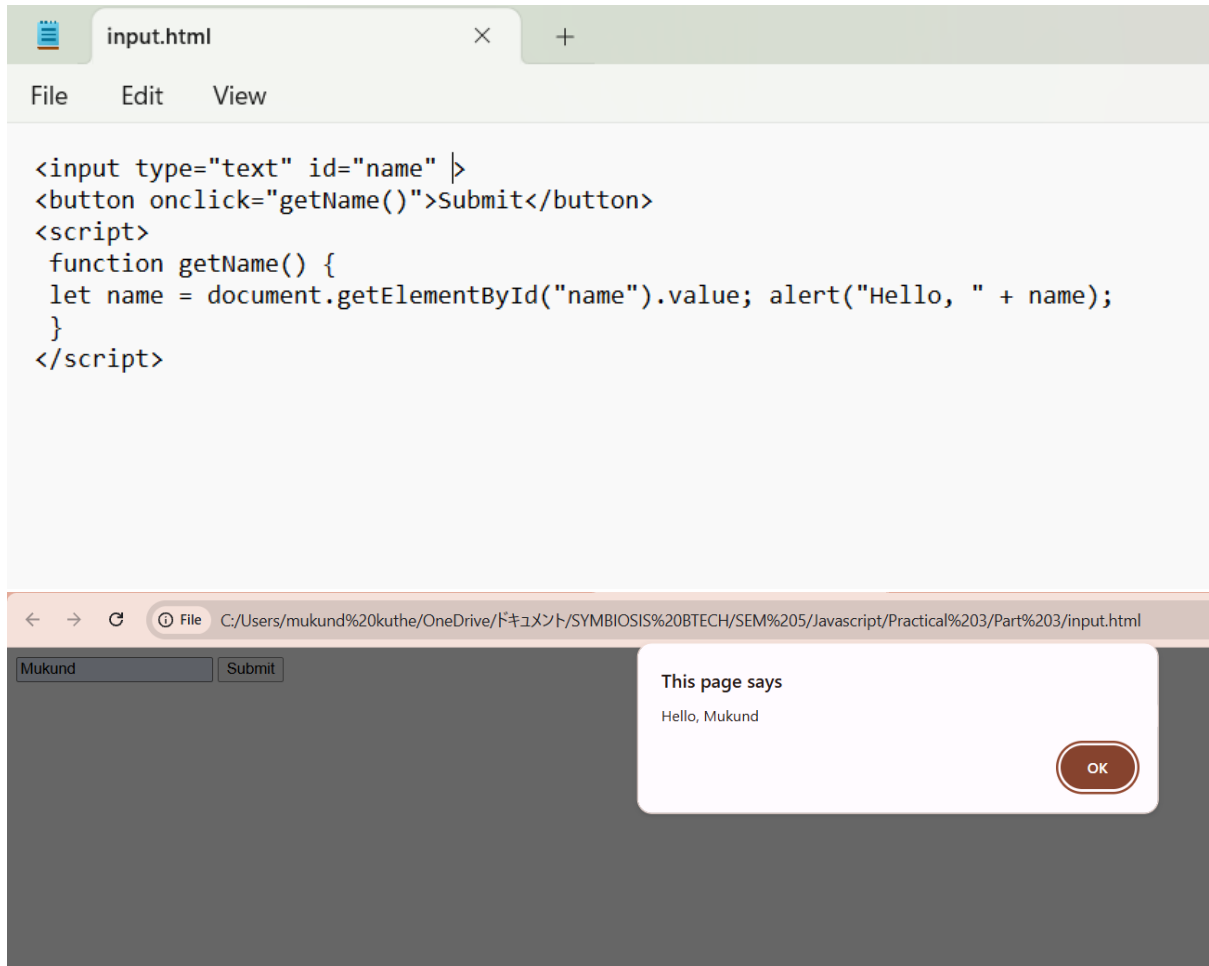Name: Mukund Kuthe
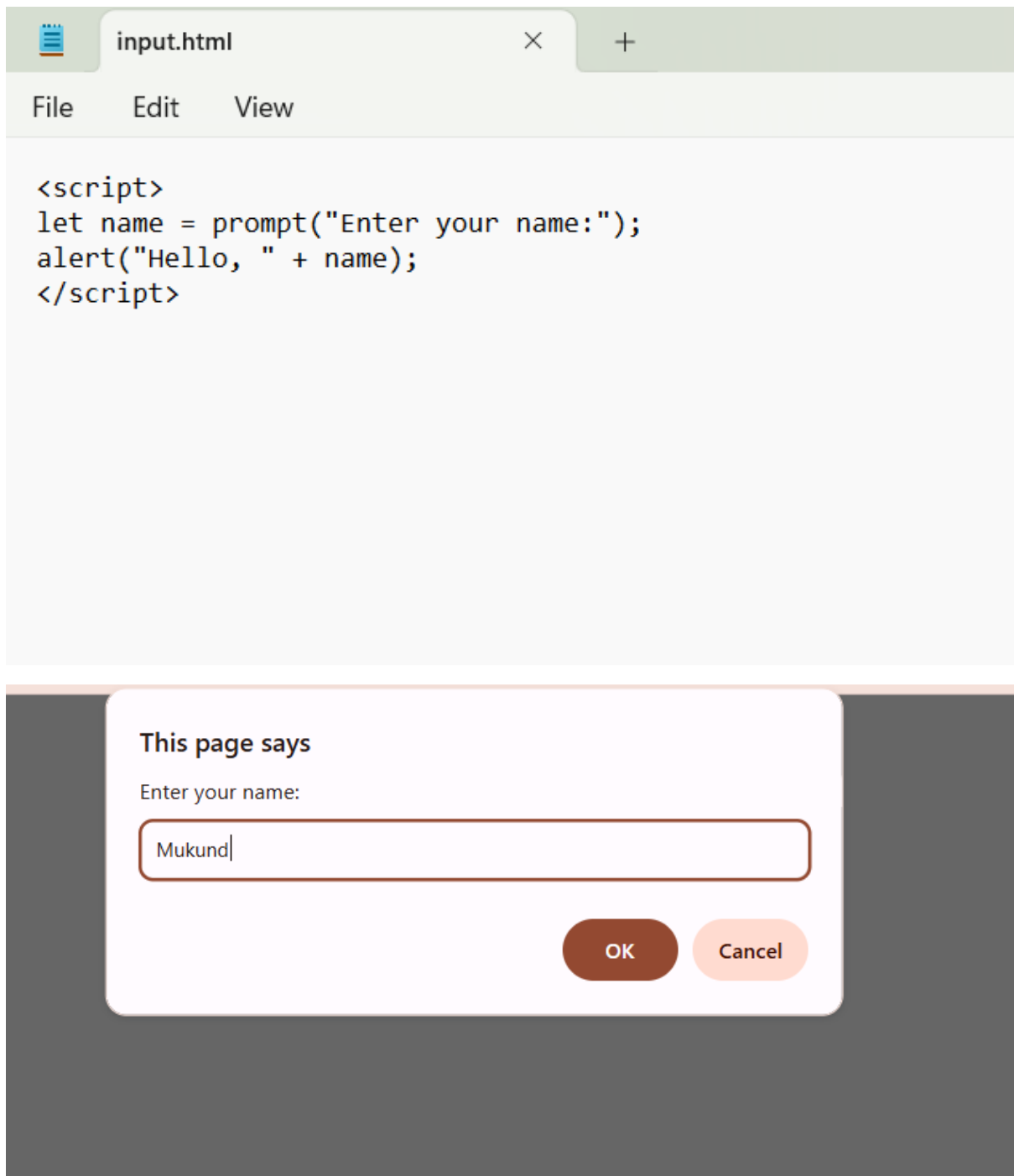
3rd Year Section B (B1)
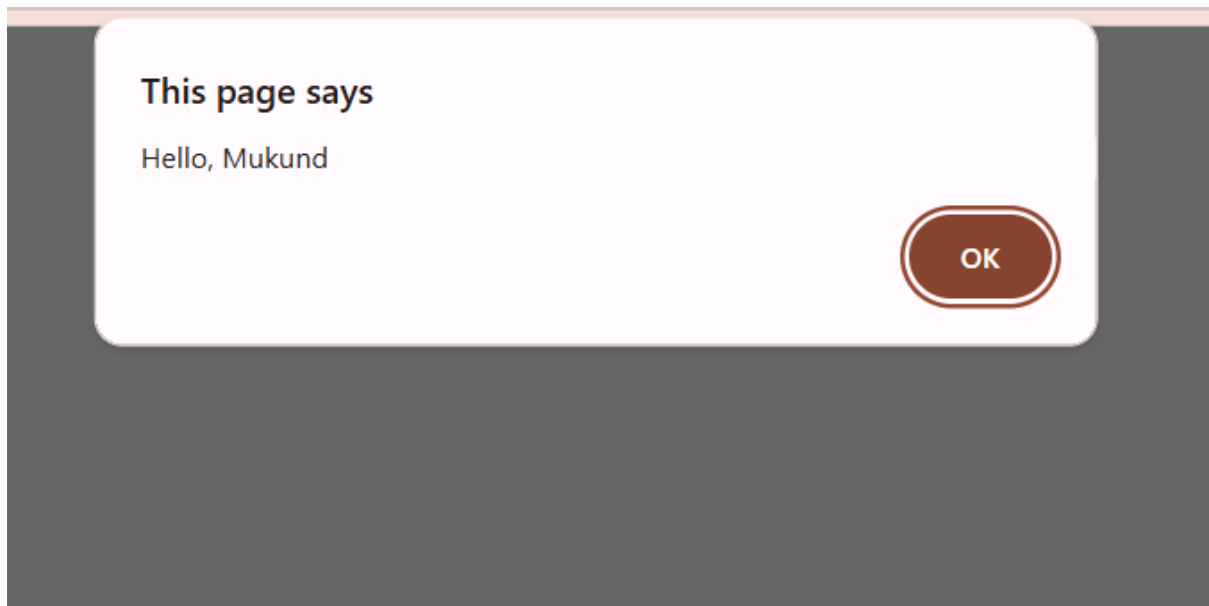
Practical 3 (JavaScript)

HTML Form Elements (via DOM)

prompt() (Browser Dialog Box)

input.html

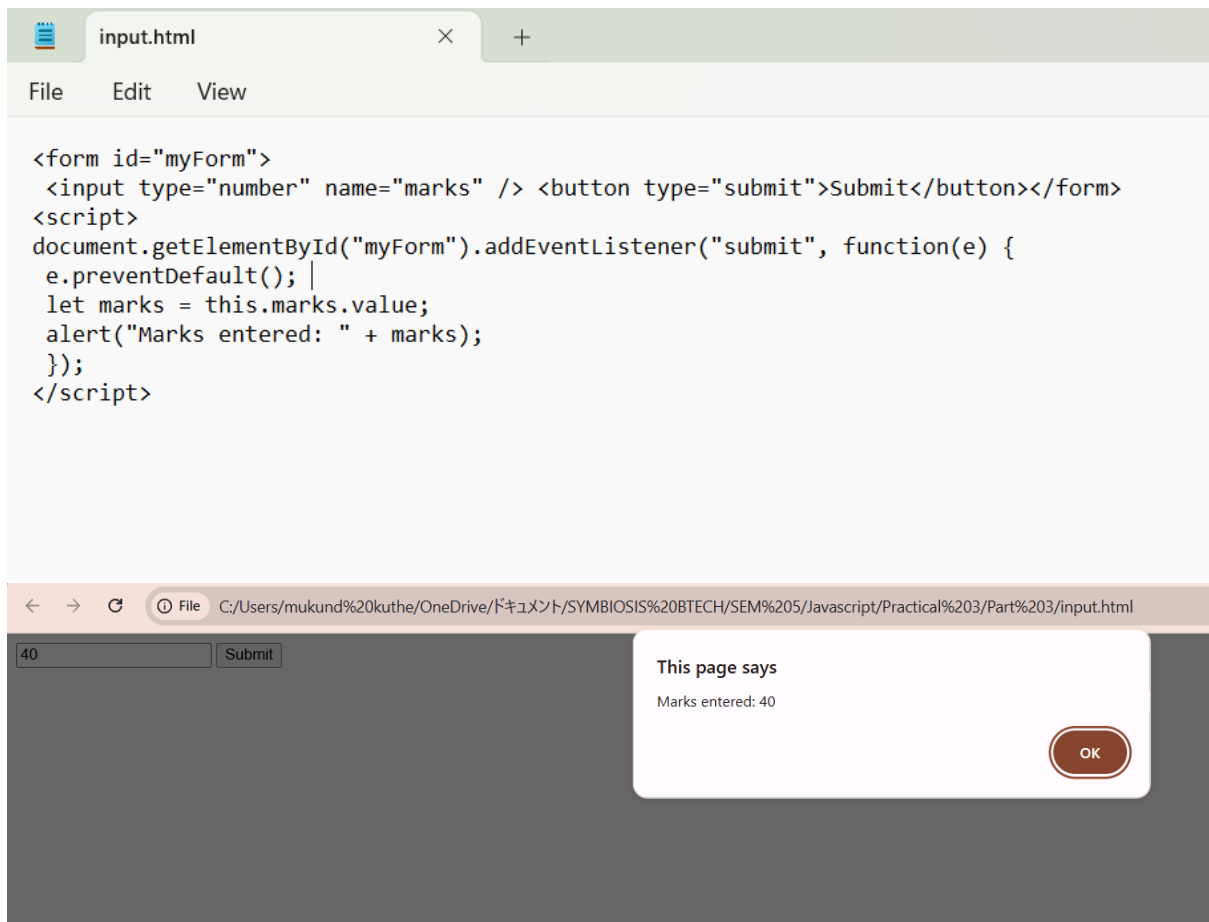File   Edit   View

```
<script>
let name = prompt("Enter your name:");
alert("Hello, " + name);
</script>
```

This page says

Enter your name:

Mukund

OK   Cancel

This page says

Hello, Mukund

OK

Event Listeners (Real-time Input Capture)


```html
<input type="text" id="liveInput" placeholder="Type something"><p id="display"></p>
<script>
document.getElementById("liveInput").addEventListener("keyup", function() {
 document.getElementById("display").innerText = this.value;
 });
</script>
```

← → C ⓘ File C:/Users/mukund%20kuthe/OneDrive/ドキュメント/SYMBIOSIS

Hi Mukund Here

Hi Mukund Here

Form Submission with submit Event


```
<form id="myForm">
 <input type="number" name="marks" /> <button type="submit">Submit</button></form>
<script>
document.getElementById("myForm").addEventListener("submit", function(e) {
 e.preventDefault(); |
 let marks = this.marks.value;
 alert("Marks entered: " + marks);
 });
</script>
```

C:/Users/mukund%20kuthe/OneDrive/ドキュメント/SYMBIOSIS%20BTECH/SEM%205/Javascript/Practical%203/Part%203/input.html

```
40          Submit
```

This page says

Marks entered: 40

OK

File Input (Read File Data)

```
<input type="file" id="fileInput">
<script>
document.getElementById("fileInput").addEventListener("change", function() {
 const file = this.files[0];
 alert("Selected file: " + file.name);
 });
</script>
```

Choose File No file chosen

This page says

Selected file: JavaScript Practical 3 Part 2.pdf

OK

Task 1:

```
TASK3.3.html > ...
1    <!DOCTYPE html>
2    <html>
3    <head>
4      <title>Grading System</title>
5    </head>
6    <body>
7      <h2>Enter Your Marks</h2>
8      <input type="number" id="marksInput" placeholder="Enter marks" />
9      <button onclick="gradeStudent()">Get Grade</button>
10     <p id="gradeOutput"></p>
11
12     <script>
13       function gradeStudent() {
14         const marks = parseInt(document.getElementById("marksInput").value);
15         let grade = "";
16
17         if (marks >= 90) {
18           grade = "A+";
19         } else if (marks >= 80) {
20           grade = "A";
21         } else if (marks >= 70) {
22           grade = "B+";
23         } else if (marks >= 60) {
24           grade = "B";
25         } else if (marks >= 50) {
26           grade = "C";
27         } else if (marks >= 40) {
28           grade = "D";
29         } else {
30           grade = "F (Fail)";
31         }
32
33         document.getElementById("gradeOutput").innerText = "Your Grade: " + grade;
34       }
35     </script>
36   </body>
37   </html>
38
```
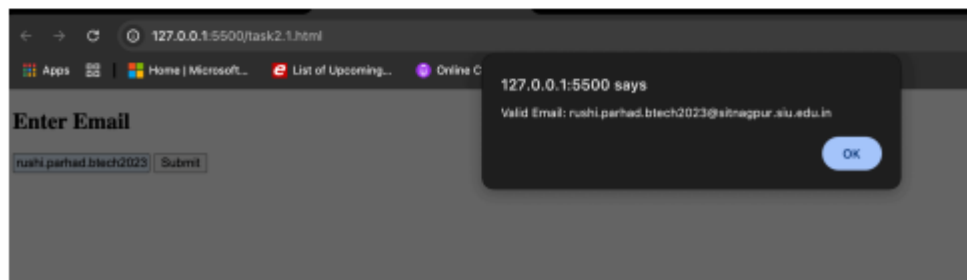
Enter Your Marks

97   Get Grade

Your Grade: A+

Task 2:

```html
task2.1.html > ...
1    <!DOCTYPE html>
2    <html>
3    <head>
4      <title>Email Validation</title>
5    </head>
6    <body>
7      <h2>Enter Email</h2>
8      <input type="email" id="email" placeholder="Enter your email">
9      <button onclick="checkEmail()">Submit</button>
10
11     <script>
12       function checkEmail() {
13         let email = document.querySelector("#email").value;
14         if (email.includes("@") && email.includes(".")) {
15           alert("Valid Email: " + email);
16         } else {
17           alert("Invalid Email");
18         }
19       }
20     </script>
21   </body>
22   </html>
23
```


Enter Email

rushi.parhad.btech2023 | Submit

127.0.0.1:5500 says
Valid Email: rushi.parhad.btech2023@sitnagpur.siu.edu.in

OK

Task 3:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Gender and Hobbies</title>
</head>
<body>
    <h2>Select Gender and Hobbies</h2>
    <form onsubmit="showSelections(event)">
        <p>Gender:</p>
        <label><input type="radio" name="gender" value="Male"> Male</label>
        <label><input type="radio" name="gender" value="Female"> Female</label>
        <label><input type="radio" name="gender" value="Other"> Other</label>

        <p>Hobbies:</p>
        <label><input type="checkbox" name="hobbies" value="Reading"> Reading</label>
        <label><input type="checkbox" name="hobbies" value="Music"> Music</label>
        <label><input type="checkbox" name="hobbies" value="Sports"> Sports</label>
        <label><input type="checkbox" name="hobbies" value="Gaming"> Gaming</label>

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

    <p id="output"></p>

    <script>
        function showSelections(event) {
            event.preventDefault();

            const gender = document.querySelector('input[name="gender"]:checked')?.value || "None";
            const hobbies = Array.from(document.querySelectorAll('input[name="hobbies"]:checked'))
                            .map(checkbox => checkbox.value);

            document.getElementById("output").innerText =
                "Selected Gender: " + gender + "\nHobbies: " + hobbies.join(", ");
        }
    </script>
</body>
</html>
```

Select Gender and Hobbies

Gender:

◉ Male ○ Female ○ Other

Hobbies:

☐ Reading ☑ Music ☑ Sports ☑ Gaming

Submit

Selected Gender: Male
Hobbies: Music, Sports, Gaming

Task 4:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Image Preview</title>
</head>
<body>
    <h2>Upload Image</h2>
    <input type="file" id="fileInput">
    <br><br>
    <img id="preview" width="200">

    <script>
      document.querySelector("#fileInput").addEventListener("change", function() {
          let file = this.files[0];
          document.getElementById("preview").src = URL.createObjectURL(file);
      });
    </script>
</body>
</html>
```

Upload Image

Choose File | Jonny-Bairs...a-2019.webp