

Name: Patel Shivamkumar S.

Enroll No: 21162101019

Branch: CBA Batch: 41. Sem : 4

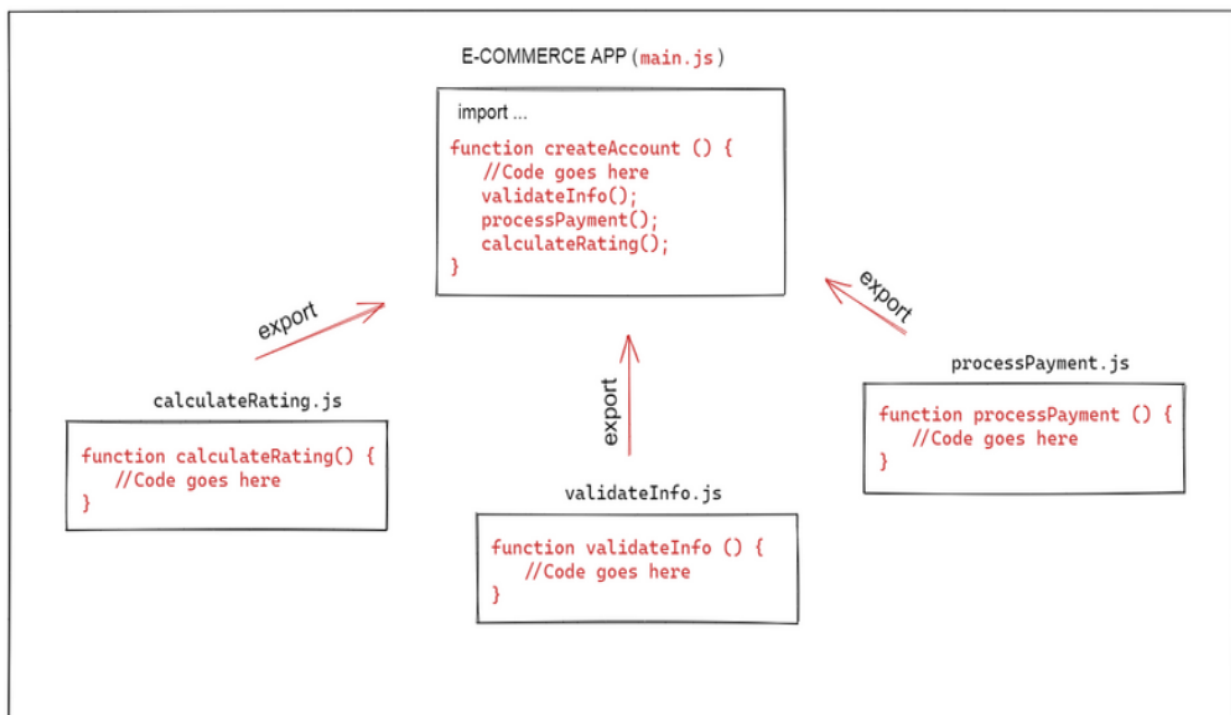
Subject: FET

Practical - 7 (Modules)

Objective: To understand the usage of modules in EcmaScript.

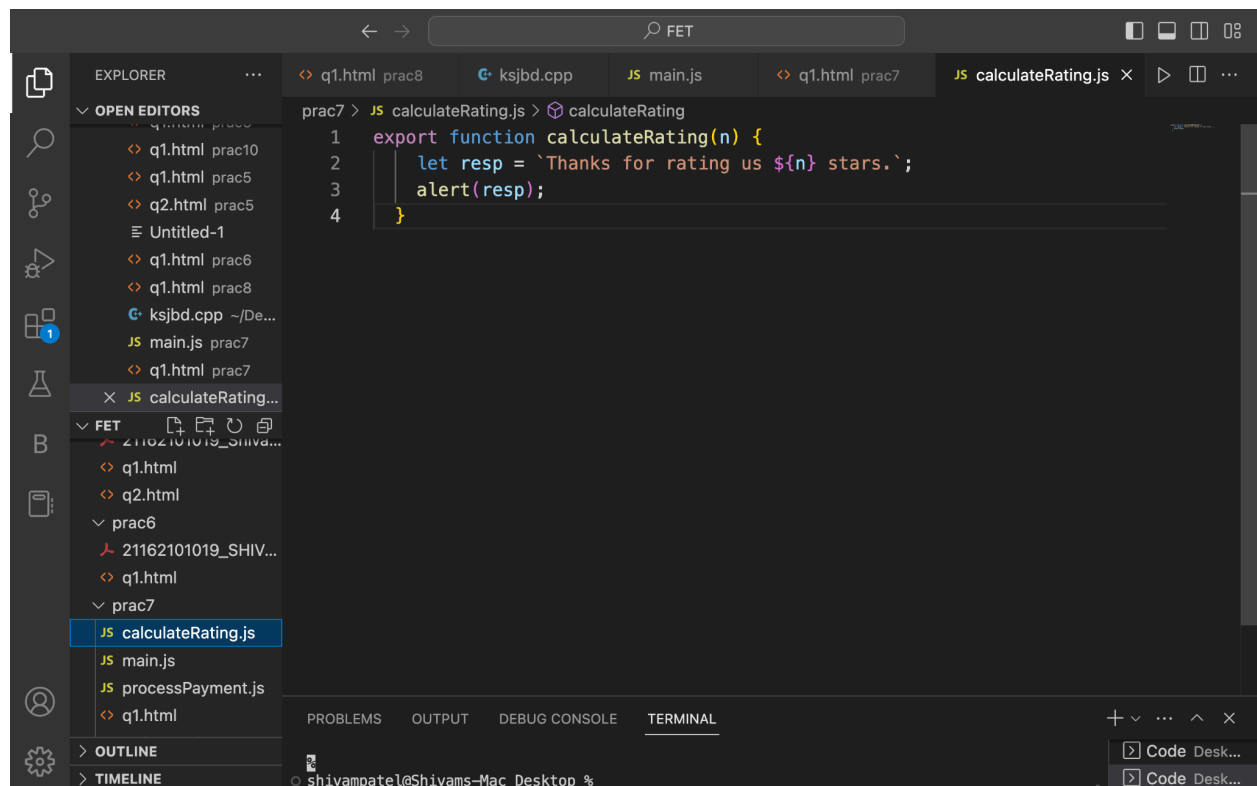
Exercise:

In an E-Commerce application, write all the four modules as shown in below:



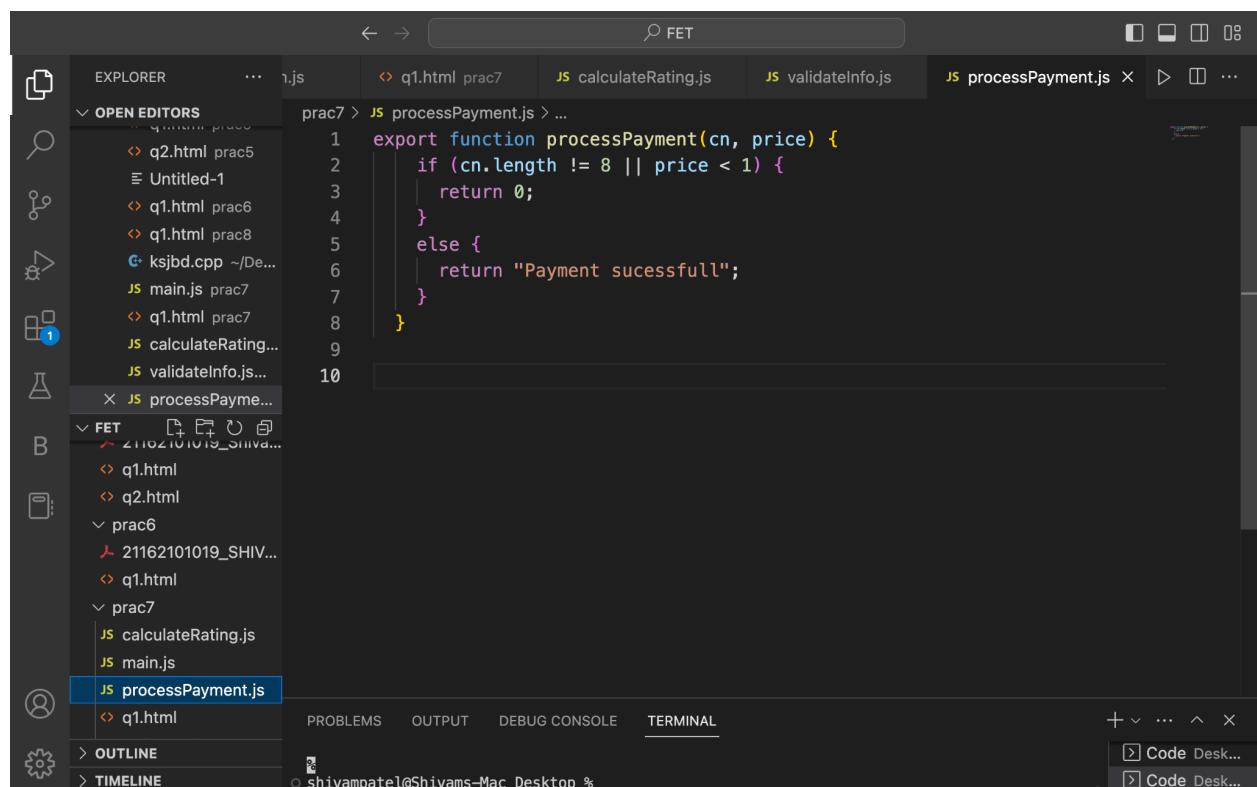
1. Design a simple HTML page taking information from the user and show the output.
2. Take objects, variables, arrays, etc for a single user as per your understanding for the whole process.)

CODE:



The screenshot shows the VS Code editor interface. The Explorer panel on the left displays the file structure with 'JS calculateRating.js' selected. The main editor area shows the code for 'calculateRating.js'.

```
prac7 > JS calculateRating.js > calculateRating
1 export function calculateRating(n) {
2   let resp = `Thanks for rating us ${n} stars.`;
3   alert(resp);
4 }
```



The screenshot shows the VS Code editor interface. The Explorer panel on the left displays the file structure with 'JS processPayment.js' selected. The main editor area shows the code for 'processPayment.js'.

```
prac7 > JS processPayment.js > ...
1 export function processPayment(cn, price) {
2   if (cn.length != 8 || price < 1) {
3     return 0;
4   }
5   else {
6     return "Payment sucessfull";
7   }
8 }
9
10
```

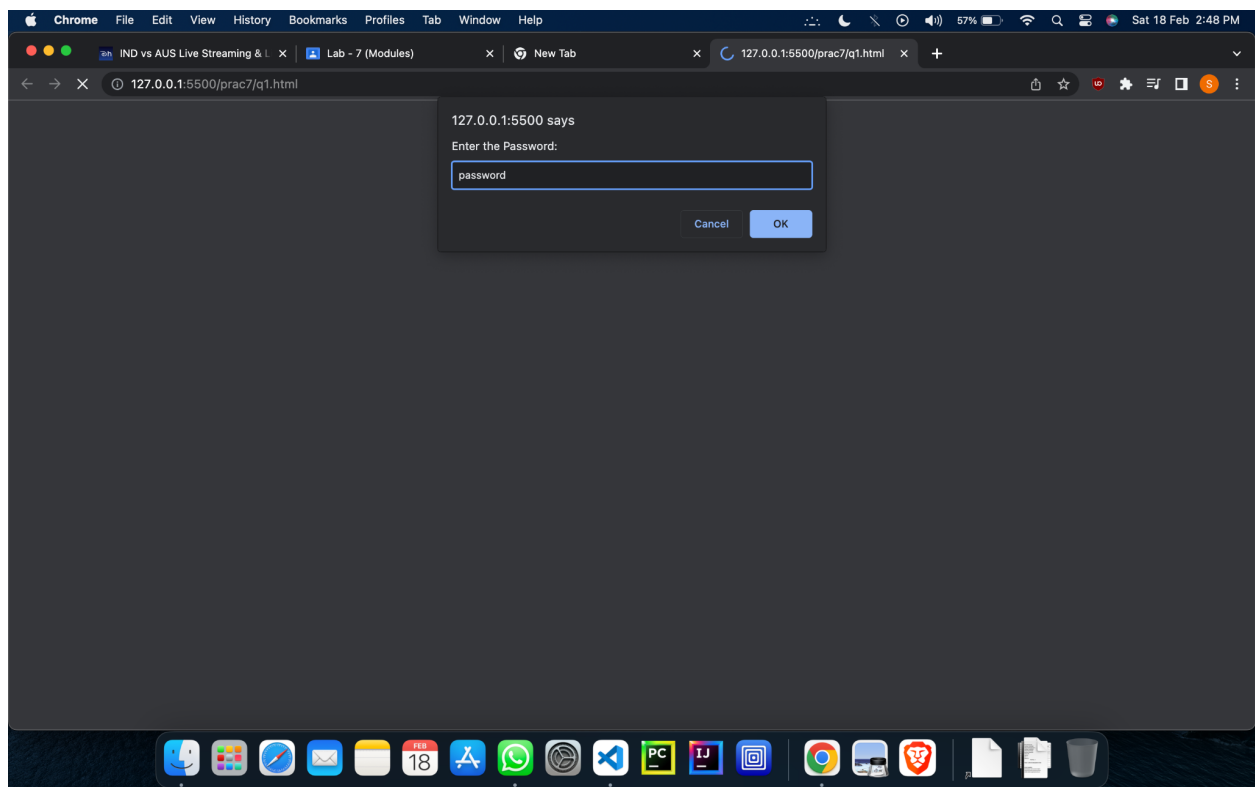
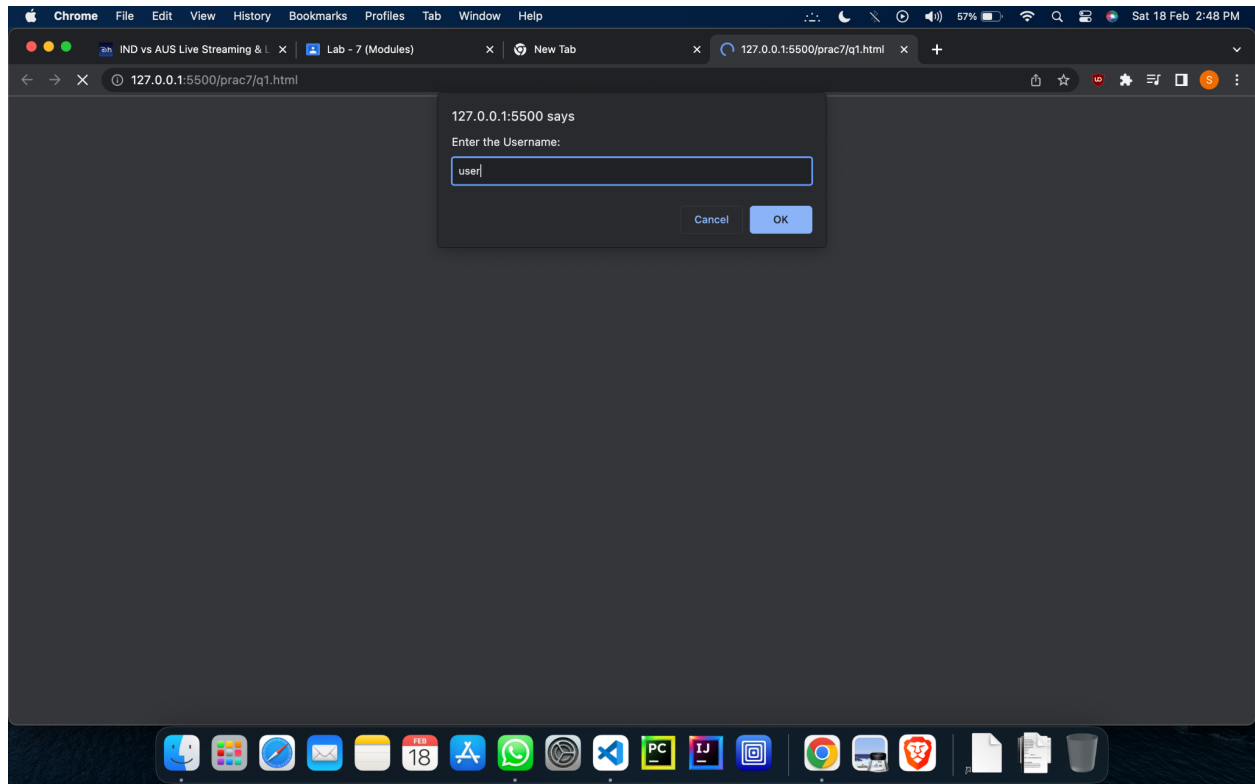
The screenshot shows the VS Code editor with the file explorer on the left. The 'main.js' file is open in the editor, showing a function `create_Account`. The function prompts the user for a username and password, validates the information, and then prompts for a card number and amount. It also includes a rating prompt and a console log. The terminal at the bottom shows the command prompt.

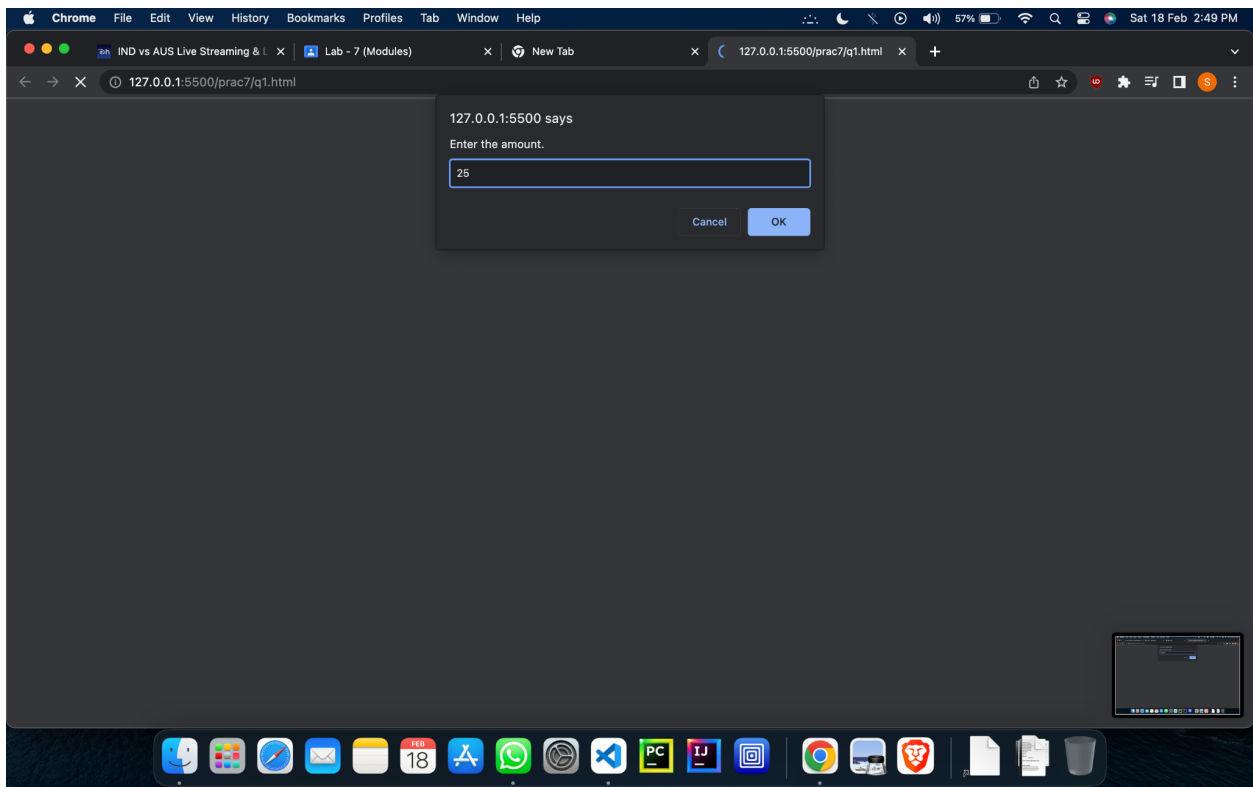
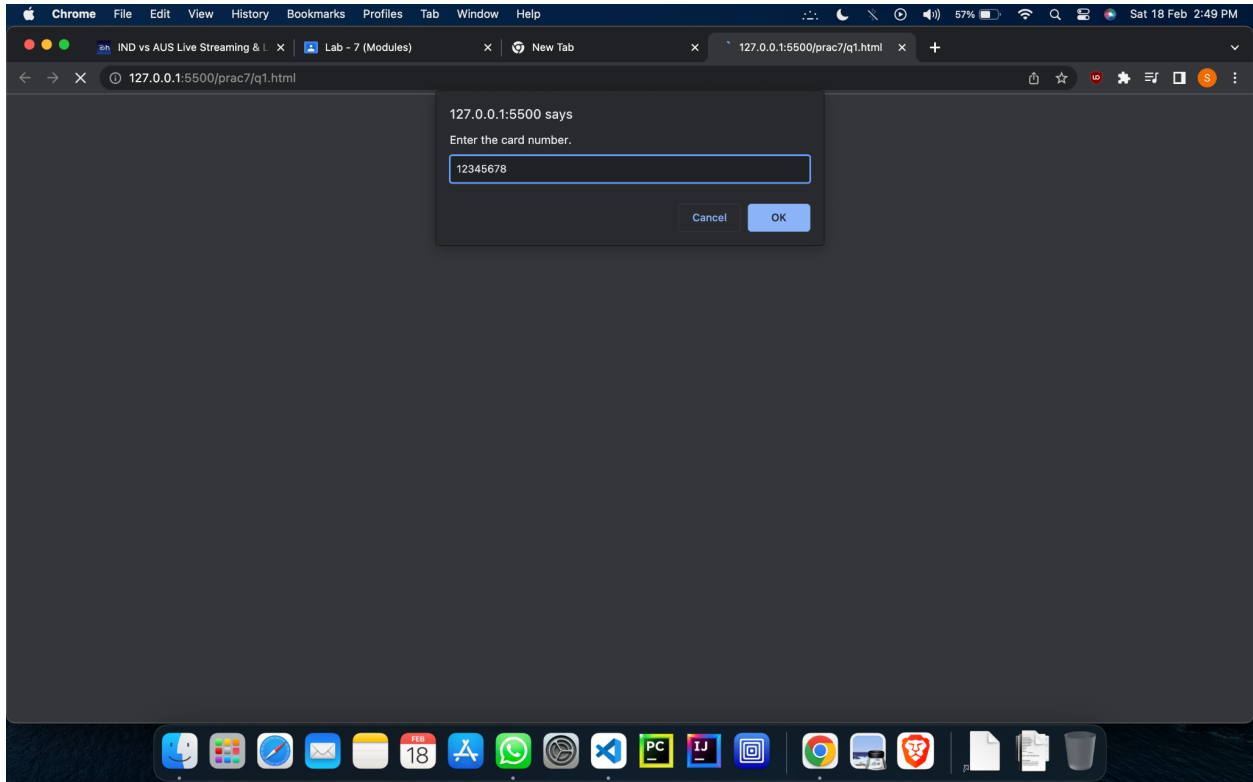
```
prac7 > JS main.js > create_Account
1  import { calculateRating } from './calculateRating.js';
2  import { processPayment } from './processPayment.js';
3  import { validateInfo } from './validateInfo.js';
4
5  function create_Account() {
6      let name = prompt("Enter the Username:");
7      let pass = prompt("Enter the Password:");
8      if (validateInfo(name, pass)) {
9          let card_number = prompt("Enter the card number.");
10         let amount = prompt("Enter the amount.");
11         let hold = processPayment(card_number, amount);
12         if (hold) {
13             alert(hold);
14             let n = prompt("Enter rating (1 to 10)");
15             console.log(calculateRating(n));
16         }
17         else{
18             alert("Payment unsuccessful");
19         }
20     }
21     else {
22         alert("Invalid user.");
23     }
24 }
25 create_Account();
```

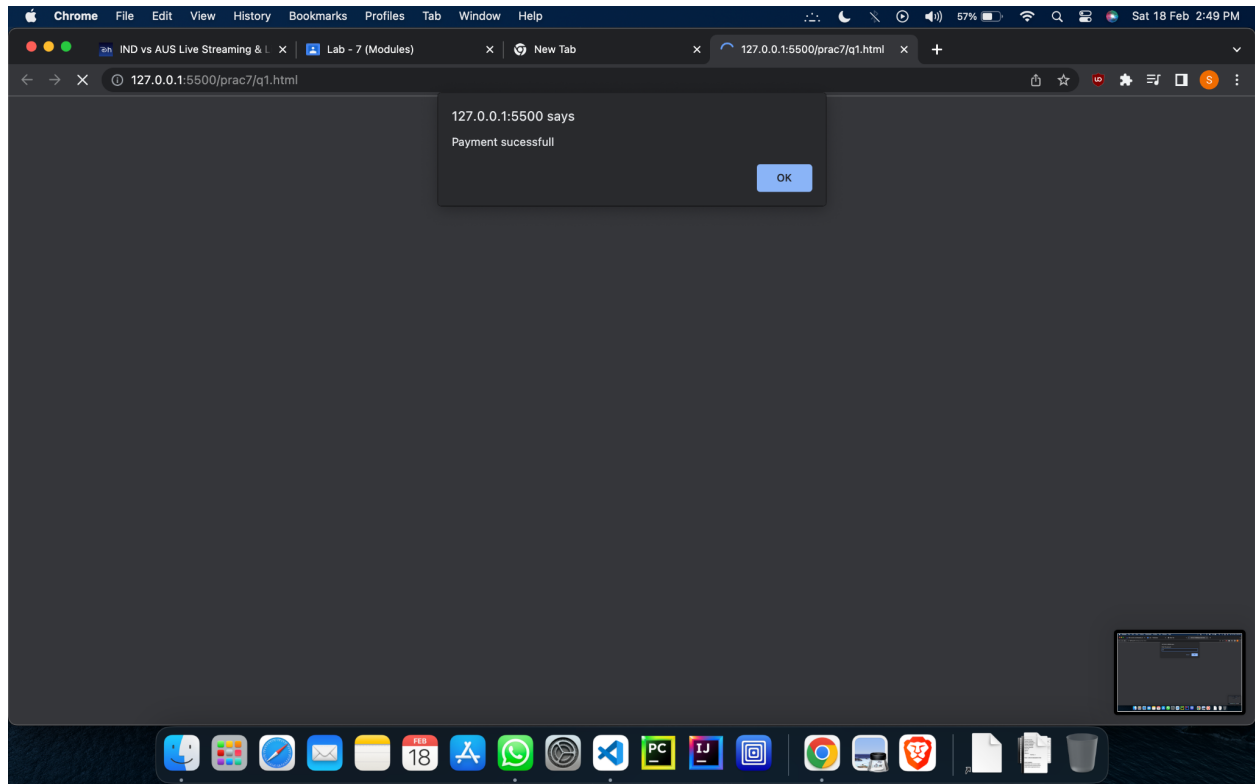
The screenshot shows the VS Code editor with the file explorer on the left. The 'q1.html' file is open in the editor, showing the HTML structure. It includes a head section and a body section. The body section contains a heading and a script tag that references the 'main.js' file. The terminal at the bottom shows the command prompt.

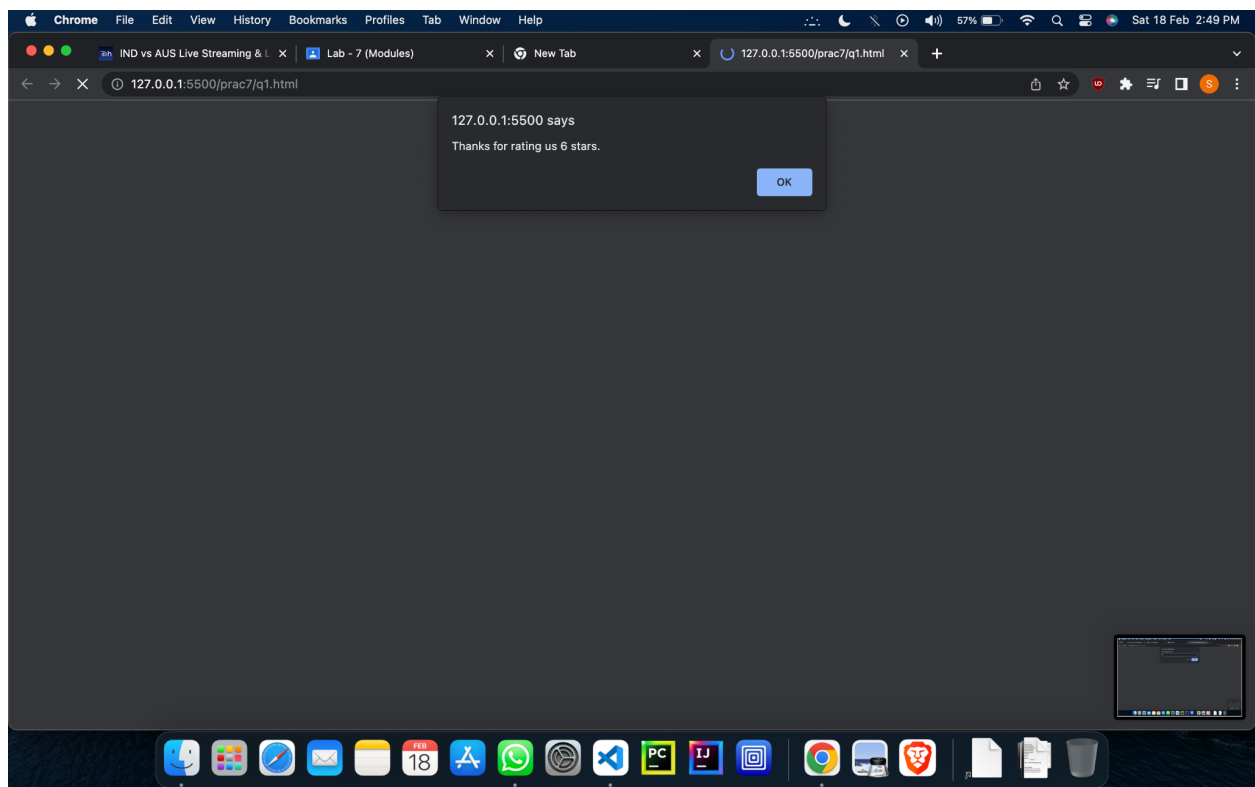
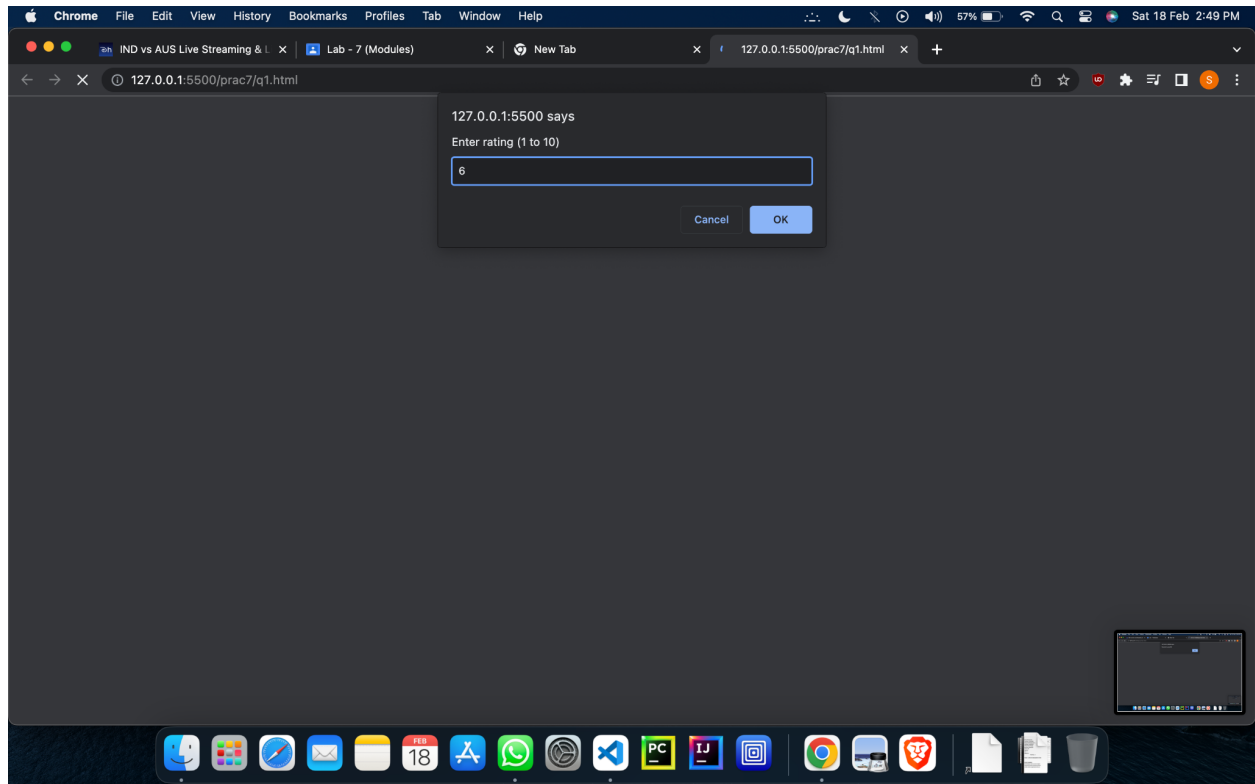
```
prac7 > < q1.html > ...
1  <html>
2
3  <head>
4  </head>
5
6  <body>
7
8      <h1>PRACTICAL 7</h1>
9
10     <script src="main.js" type="module"></script>
11
12 </body>
13
14 </html>
15
```

OUTPUT:









GITHUB LINK:

<https://github.com/Shivam3783/FET-PRACTICALS/tree/main/PRAC7>

