Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 41
FET Practical 7
Code Link for all practicals :
https://github.com/yashslakhtariya/sem4practicals/tree/main/FET

Institute of Computer Technology
B. Tech. Computer Science and Engineering

Sub: FET (2CSE410)
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.)

HTML :

```
<!DOCTYPE html>
<head>
    <title>FET Practical 7 by YSL</title>
    <link rel="stylesheet" href="btn.css">
</head>
<body bgcolor="#d8dee9">
    <script type="module" src="main.js"></script>
    <button onclick="createAc()" id="btn" class="button">Start
shopping</button>
```

Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 41
FET Practical 7
Code Link for all practicals :
https://github.com/yashslakhtariya/sem4practicals/tree/main/FET

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

CSS :

```
.button{
    margin: 0;
    position: absolute;
    top: 50%;
    left: 50%;
    -ms-transform: translate(-50%, -50%);
    transform: translate(-50%, -50%);
    display: inline-block;
    padding: 15px 25px;
    font-size: 24px;
    cursor: pointer;
    text-align: center;
    text-decoration: none;
    outline: none;
    color: #fff;
    background-color: #bf616c;
    border: none;
    border-radius: 12px;
    box-shadow: 0 9px #9195bb;
}
```

Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 41
FET Practical 7
Code Link for all practicals :
https://github.com/yashslakhtariya/sem4practicals/tree/main/FET

```
.button:hover {
    background-color: #d18677;
    margin: 0;
    position: absolute;
    top: 50%;
    left: 50%;
    -ms-transform: translate(-50%, -50%);
    transform: translate(-50%, -50%);
}

.button:active {
    background-color: #d18677;
    box-shadow: 0 5px #9195bb;
    transform: translateY(4px);
    margin: 0;
    position: absolute;
    top: 50%;
    left: 50%;
    -ms-transform: translate(-50%, -50%);
    transform: translate(-50%, -50%);
}
```

File - validate.js :

Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 41
FET Practical 7
Code Link for all practicals :
https://github.com/yashslakhtariya/sem4practicals/tree/main/FET

```
export function validateInfo(user, pswd, storeID)
{
    let users = ["haribol","yash","admin"];
    let pswds = ["harekrsna","sriradhe","haribol"];
    let i = 0;
    while(i < users.length)
    {
        if ((user == users[i]) && (pswd == pswds[i]) && (storeID == 
"YSL64"))
        {
            return true;
        }
        i++;
        if(i == users.length)
        {
            return false;
        }
    }
}
```

File - payment.js

```
export function prcsPymnt(blnc, price)
{
    if(blnc < price)
```

Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 41
FET Practical 7
Code Link for all practicals :
https://github.com/yashslakhtariya/sem4practicals/tree/main/FET

```
    {
        alert("Insufficient balance! This window will be closed");
        close();
    }
    else
    {
        alert(`Previous Balance : Rs.${blnc}\nPayment processed : Rs.${price}\nPresent Balance : Rs.${blnc - price}`);
    }
}
```

File - rating.js

```
export function calculateRating()
{
    let r = prompt("Enter rating for your experience with us in 1 to 5 stars");
    while(!Number.isInteger(parseInt(r)))
    {
        alert("Invalid Input!");
        r = prompt("Enter rating for your experience with us in 1 to 5 stars");
    }
    r = parseInt(r);
    while(r < 1 || r > 5)
```

Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 41
FET Practical 7
Code Link for all practicals :
https://github.com/yashslakhtariya/sem4practicals/tree/main/FET

```
    {
        alert("Invalid Input!");
        r = prompt("Enter rating for your experience with us in 1 to 5 stars");
    }
    alert(`Thank you for giving us ratings!\nRating given : ${r}/5`);
}
```

File - main.js

```
import { validateInfo } from "./validate.js";
import { prcsPymnt } from "./payment.js";
import { calculateRating } from "./rating.js";

function createAc()
{
    let user = prompt("Enter your username : ");
    let pswd = prompt("Enter your password : ");
    let strID = prompt("Enter the Store ID : ");
    let cnfrm = validateInfo(user, pswd, strID);
    if(cnfrm)
    {
        alert("Details are valid! You can proceed further!");
    }
    else if(!cnfrm)
```

Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 41
FET Practical 7
Code Link for all practicals :
https://github.com/yashslakhtariya/sem4practicals/tree/main/FET

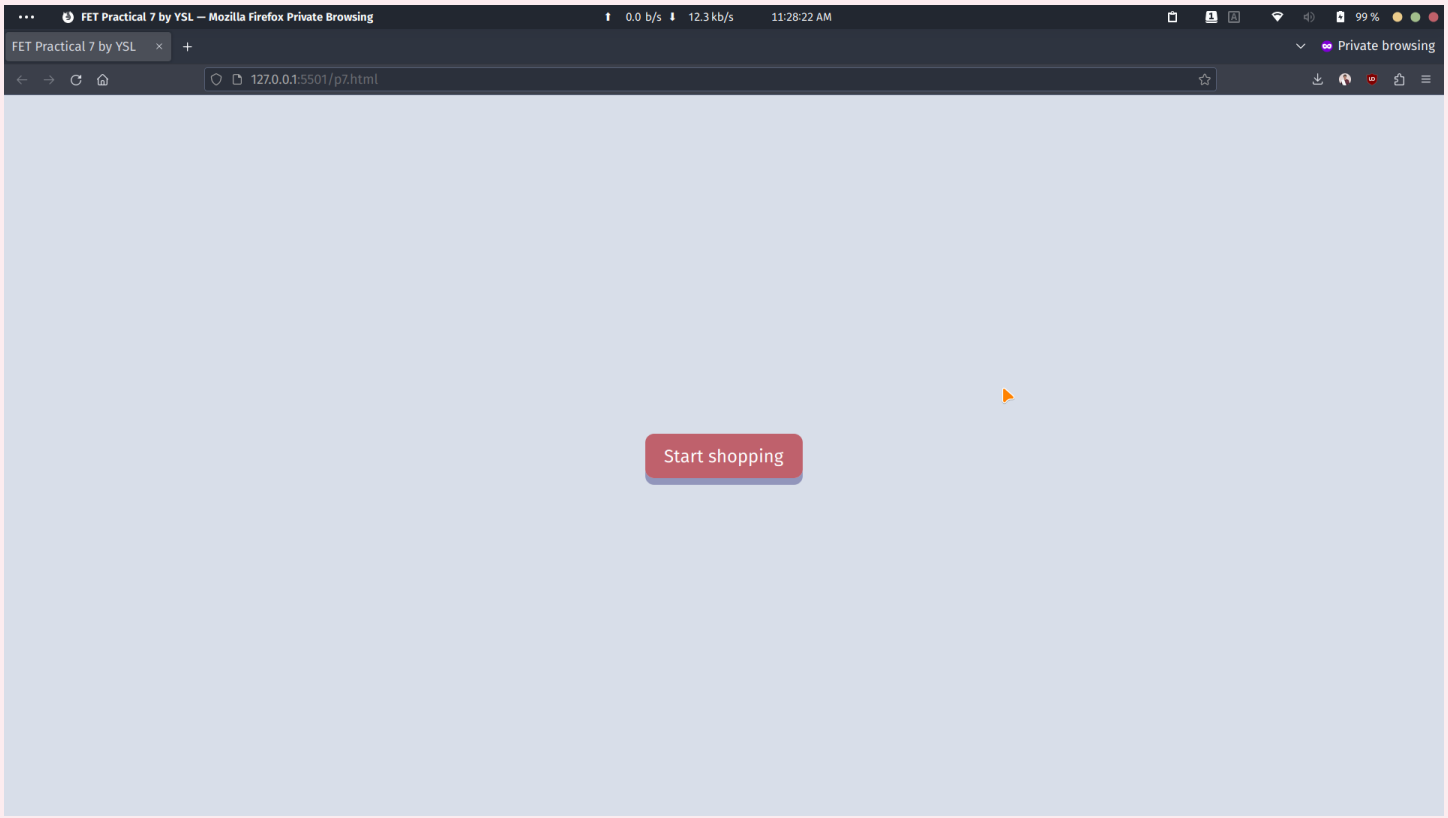
```
    {
        alert("Sorry, details entered are invalid! You cannot proceed
further!");
        let y = confirm("Do you want to reenter the details?");
        if(y)
        {
            createAc();
        }
        else
        {
            close();
        }
    }
    let blnc = prompt("Enter your balance : ");
    while(!Number.isInteger(parseInt(blnc)))
    {
        alert("Invalid Balance!");
        blnc = prompt("Enter your balance : ");
    }
    blnc = parseInt(blnc);

    let price = prompt("Enter the total amount to pay : ");
    while(!Number.isInteger(parseInt(price)))
    {
```

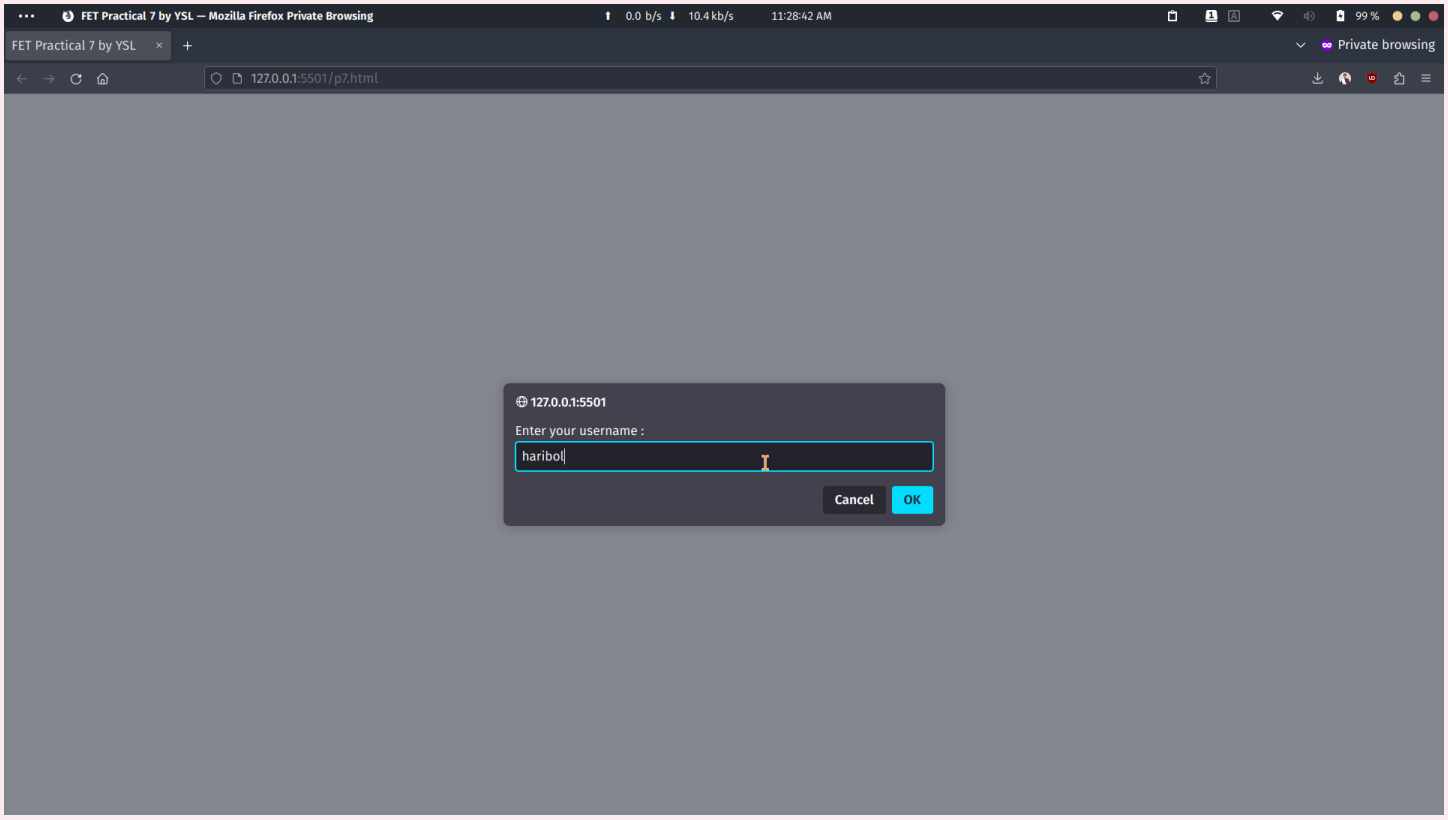
Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 41
FET Practical 7
Code Link for all practicals :
https://github.com/yashslakhtariya/sem4practicals/tree/main/FET

```
        alert("Invalid Balance!");
        price = prompt("Enter the total amount to pay : ");
    }
    price = parseInt(price);

    prcsPymnt(blnc, price);
    calculateRating();
}

window.createAc = createAc;
```

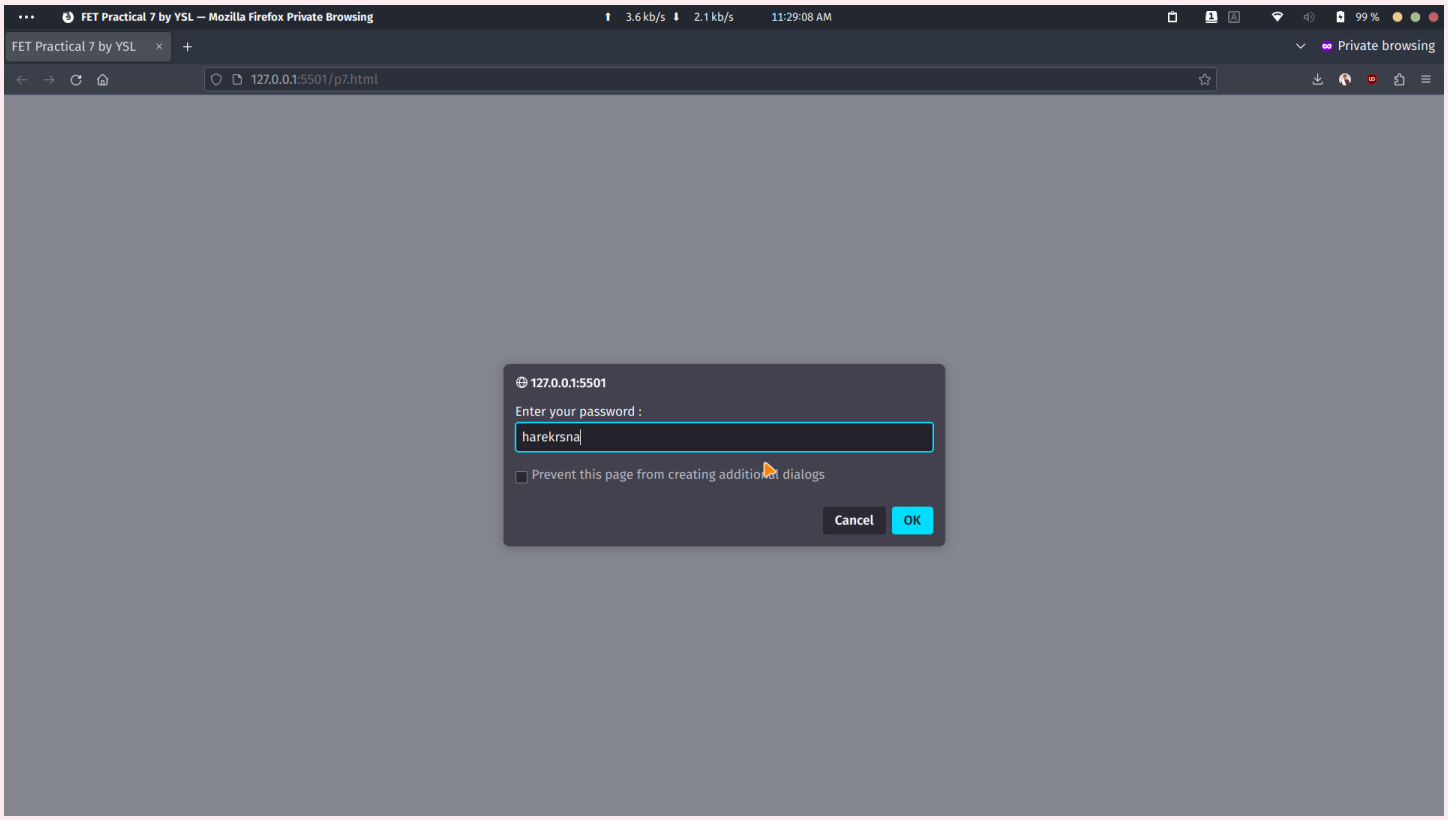
Output screenshots :

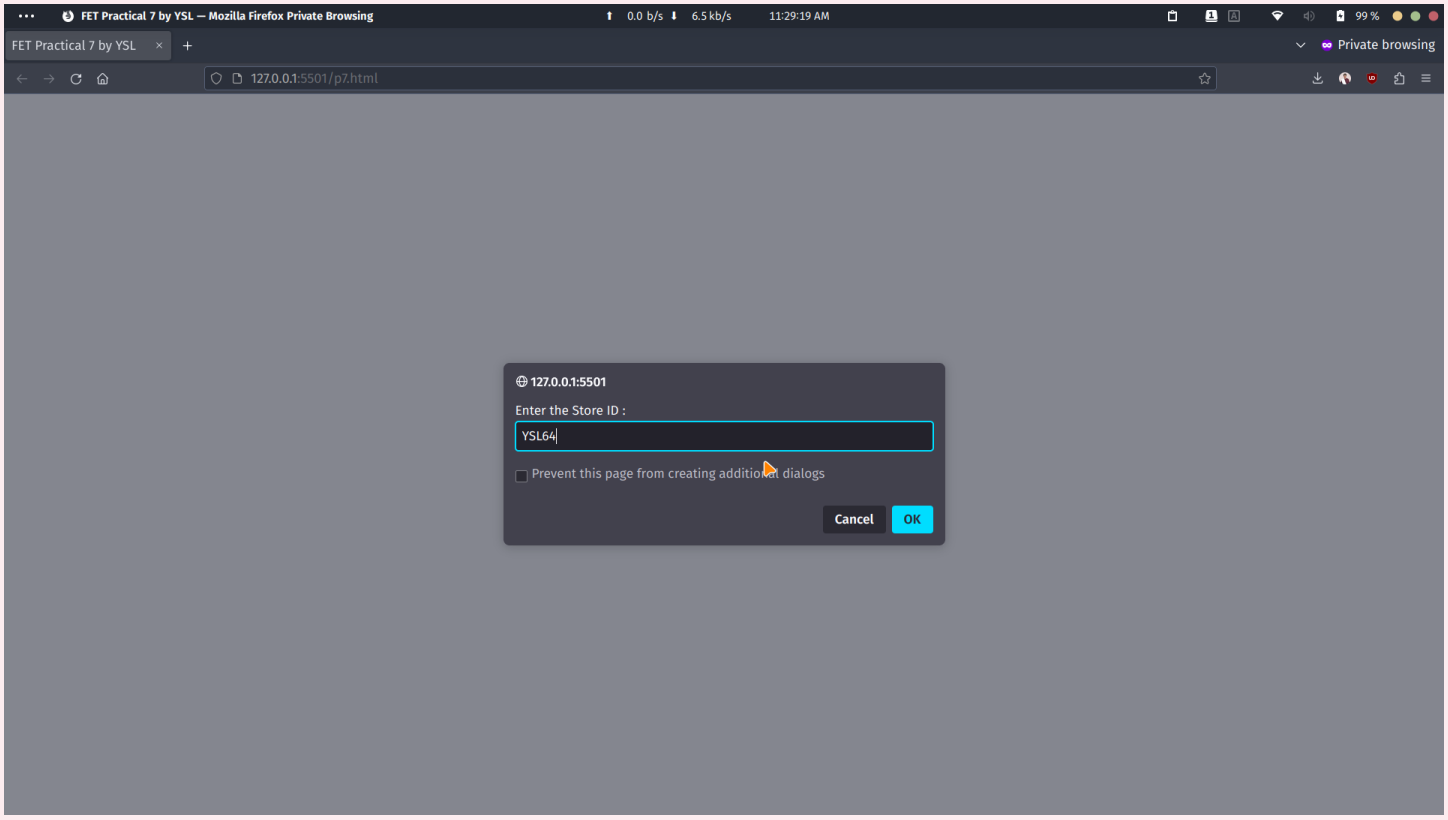
Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 41
FET Practical 7
Code Link for all practicals :
https://github.com/yashslakhtariya/sem4practicals/tree/main/FET



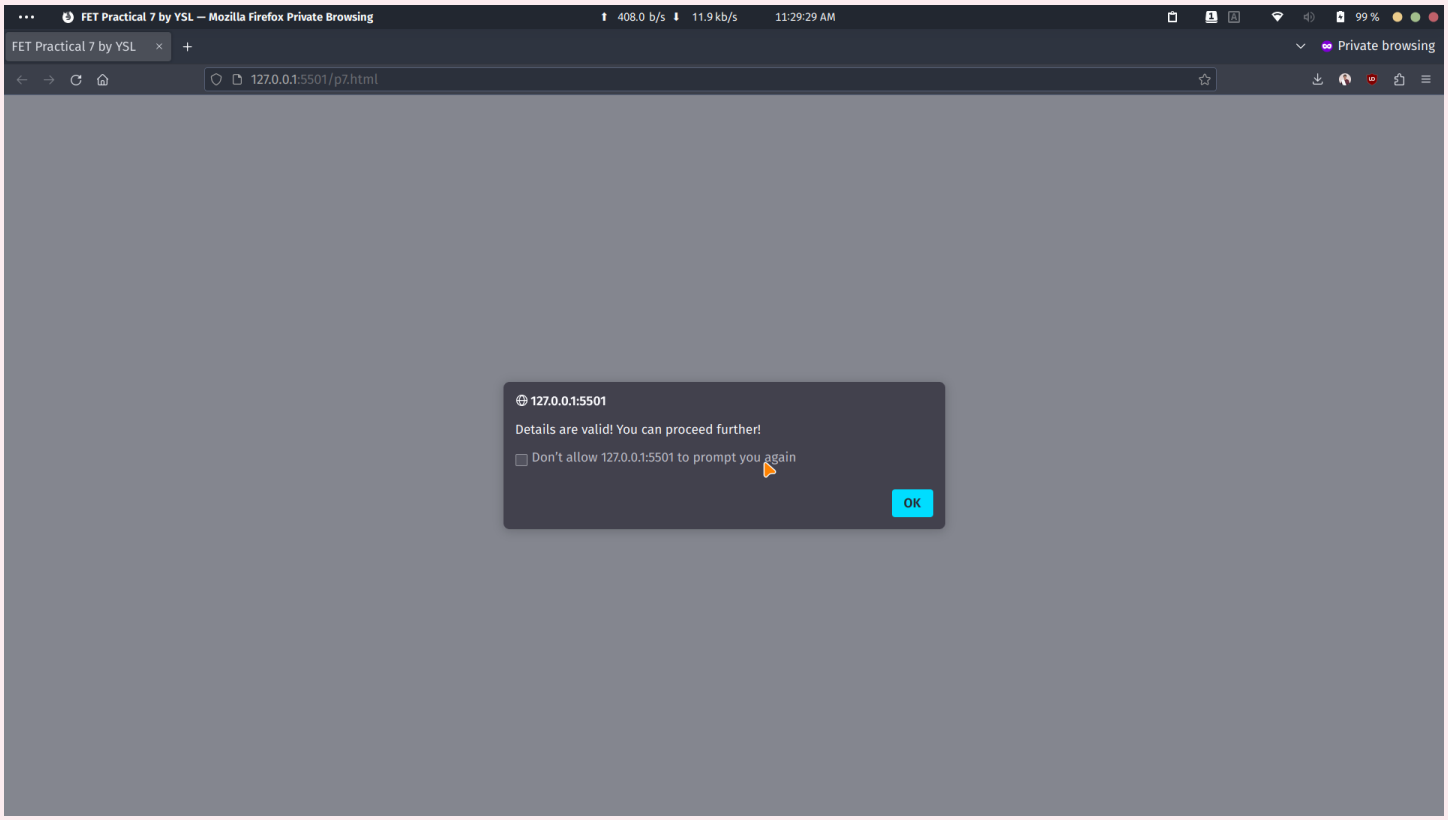


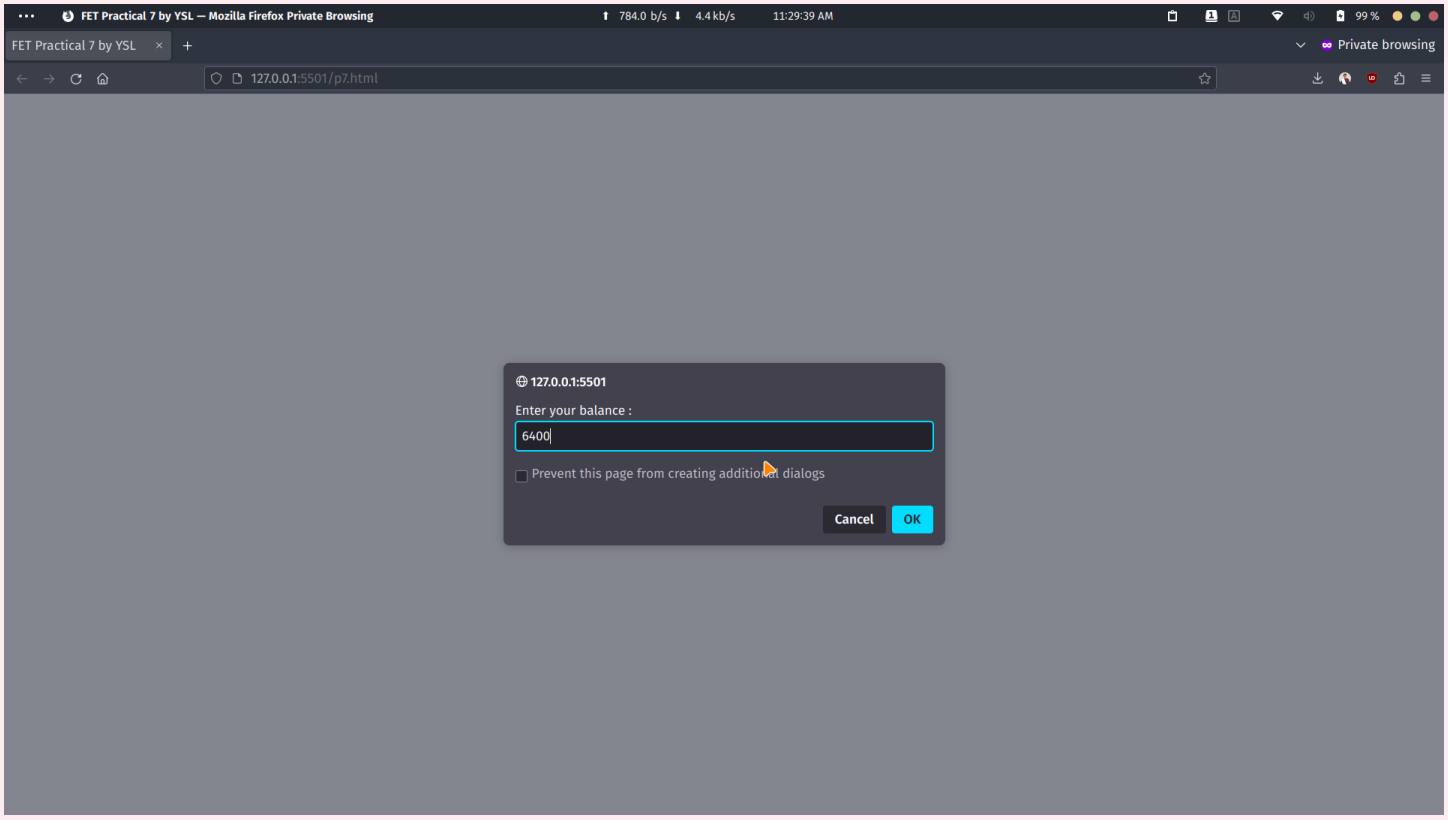
Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 41
FET Practical 7
Code Link for all practicals :
https://github.com/yashslakhtariya/sem4practicals/tree/main/FET



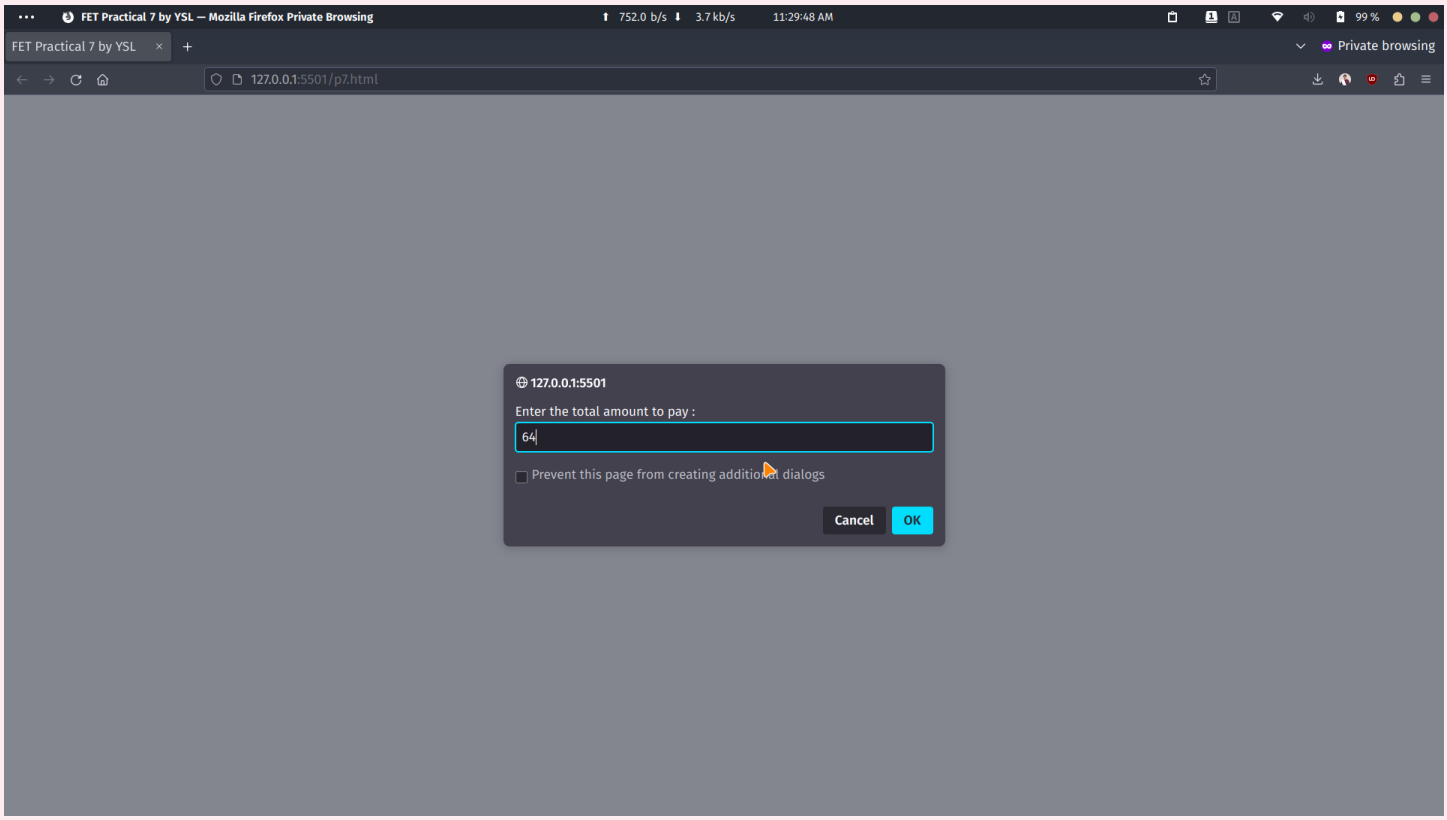
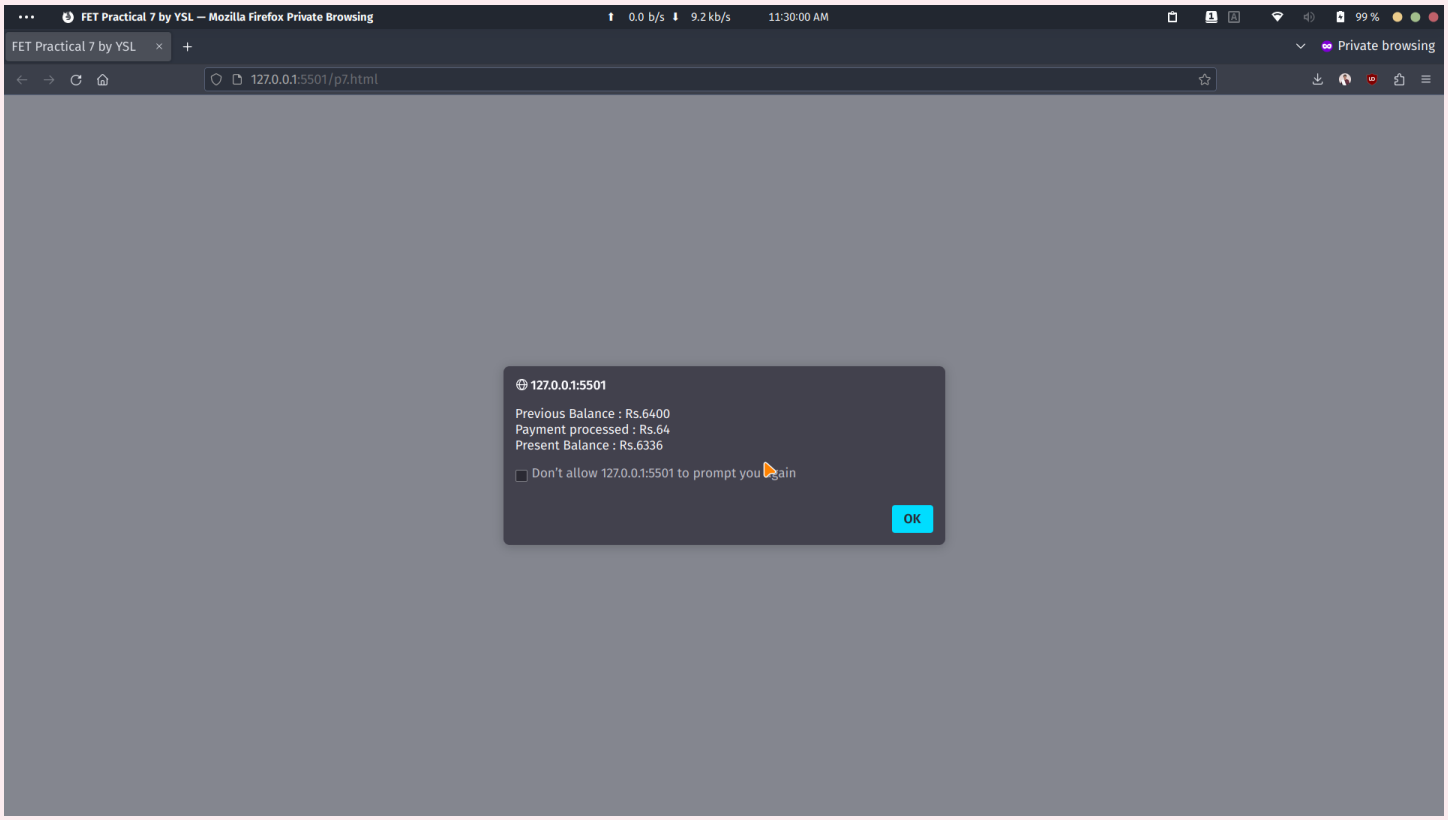
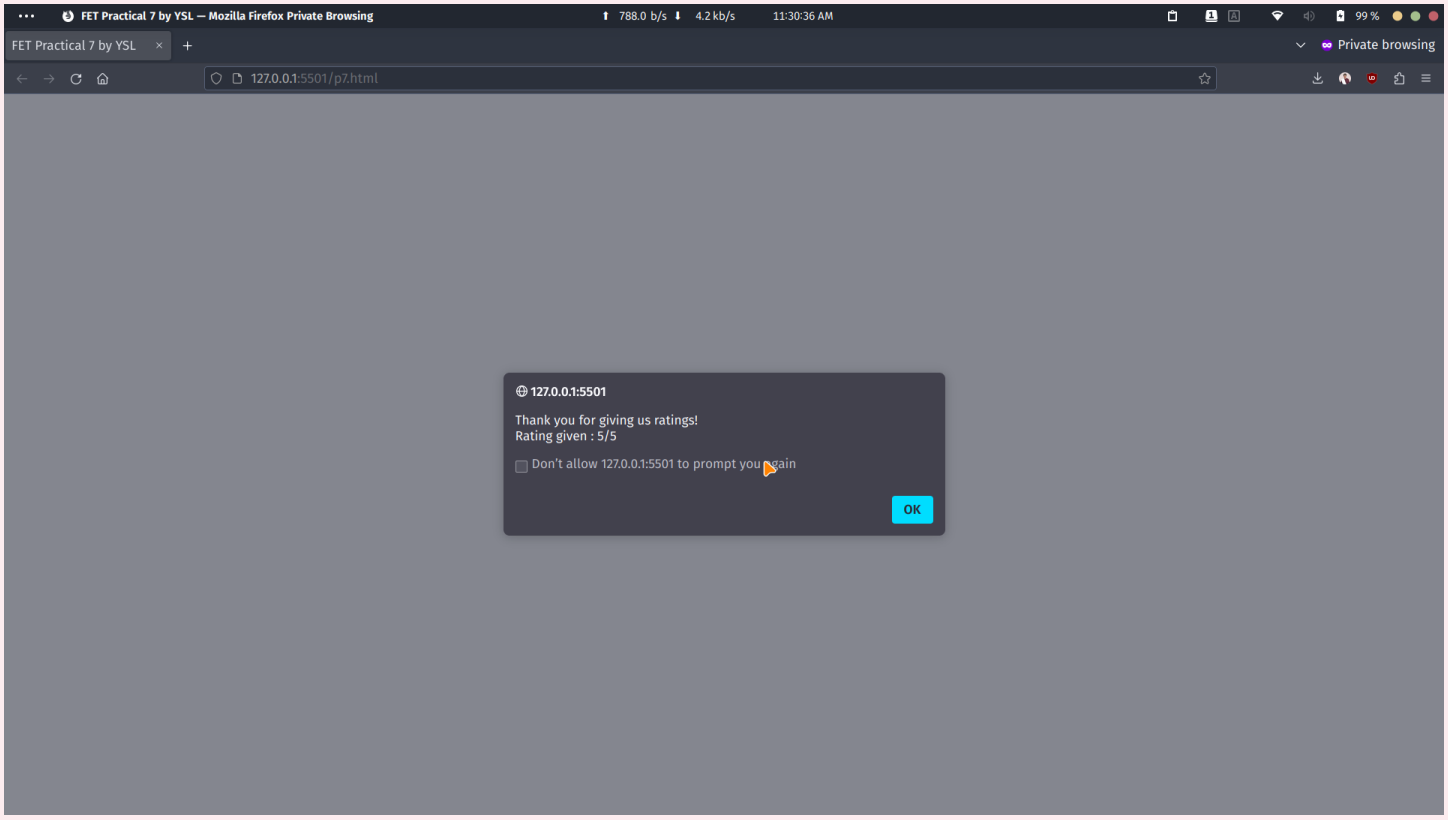


Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 41
FET Practical 7
Code Link for all practicals :
https://github.com/yashslakhtariya/sem4practicals/tree/main/FET





Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 41
FET Practical 7
Code Link for all practicals :
https://github.com/yashslakhtariya/sem4practicals/tree/main/FET



Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 41
FET Practical 7
Code Link for all practicals :
https://github.com/yashslakhtariya/sem4practicals/tree/main/FET