Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA   Batch - 41
FET Practical 8
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 - 8 (Promises)
Objective: To understand the usage of promises in EcmaScript.

Exercise :

My friend Kayo promises to make a cake for my birthday in two weeks. If everything goes well and Kayo doesn't get sick, we'll have a certain number of cakes. Otherwise, if Kayo gets sick, we'll have no cakes. Either way, we're still going to have a party. For this first task, we'll translate this story into code using Promise concept of EcmaScript.

HTML :

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>FET Practical 8 by YSL</title>
    <link rel="stylesheet" href="btn.css">
</head>
<body bgcolor="#d8dee9">
    <button class="button">Happy Birthday to Me!</button>
    <script src="p8.js"></script>
</body>
</html>
```

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CSS :

```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;
}


.button:hover {
    background-color: #d18677;
```

```css
    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%);

}
```

JS :

```js
function haribol()

{

    let h = prompt("Is Kayo's health well?");

    let cakes = 0;
```

```javascript
    let health;

    if(h.includes("yes") || h.includes("ok"))

    {

        health = true;

    }

    else if(h.includes("no") || h.includes("bad"))

    {

        health = false;

    }

    else

    {

        alert("Invalid Input!");

        haribol();

    }


    let prmse =  new Promise(function(resolve, reject)

    {

        if(health)

        {

            resolve();

        }

        else

        {

            reject();
```

```javascript
        }
    });

    prmse.then(
        (result) ⇒
        {
            alert("Great! Your health is well! Nice to hear that!");
            cakes = prompt("So how many cakes can you bake?");
            while(!Number.isInteger(parseInt(cakes)))
            {
                cakes = prompt("Please enter valid number of cakes you
can bake?");
            }
            cakes = parseInt(cakes);
            alert(`Thank you for baking ${cakes} cakes for me Kayo!`);
        },
        (error) ⇒ {
            alert("Sorry to hear that your health is unwell!\nGet well
soon Kayo!");
        }
    ).finally(() ⇒
    {
        alert("Thanks for giving me party Kayo!")
    });
}
```

Name - Yash Lakhtariya
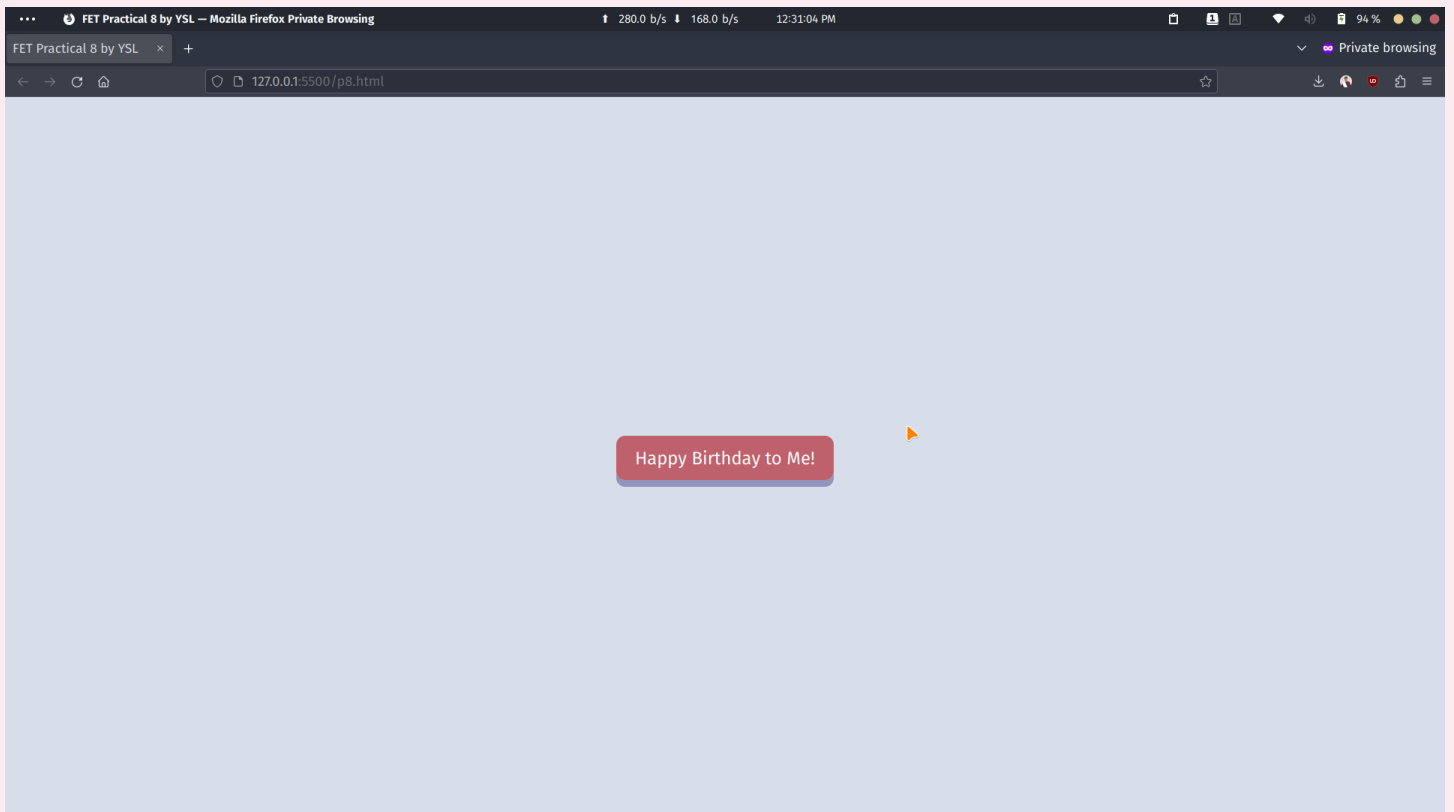**Enrollment number - 21162101012**
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```javascript
const btn = document.querySelector('button');

btn.addEventListener('click', haribol);
```
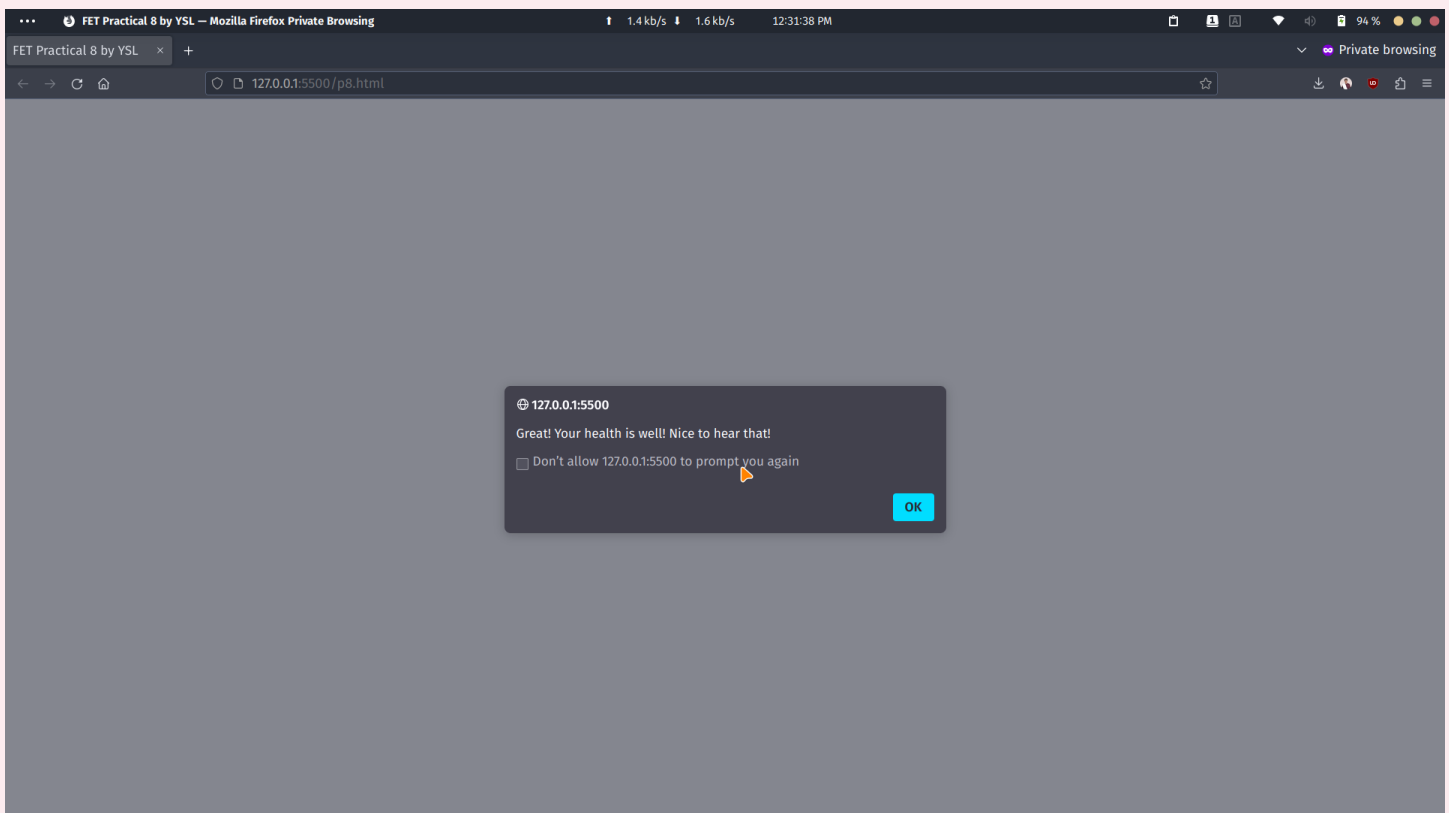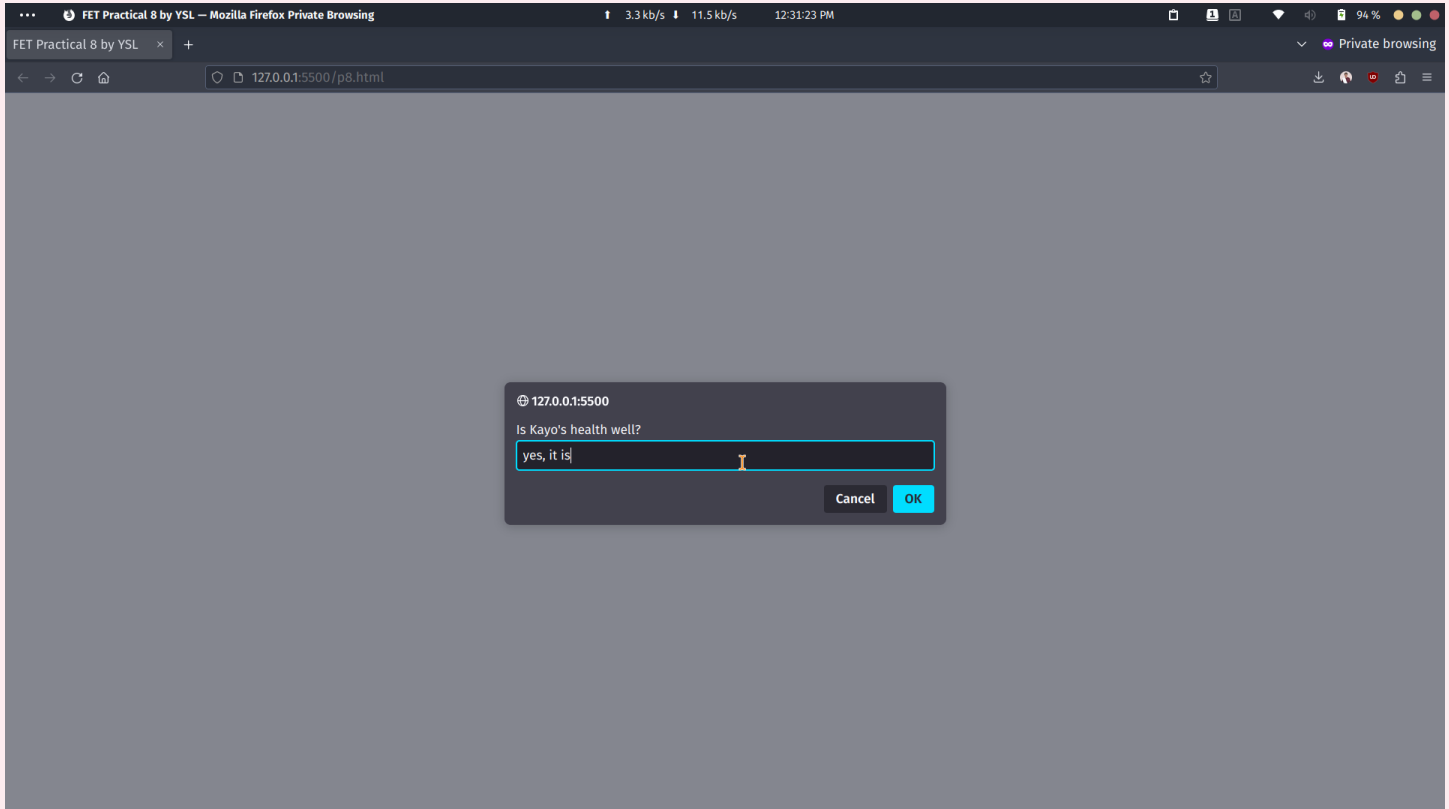
Output Screenshots :

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FET Practical 8
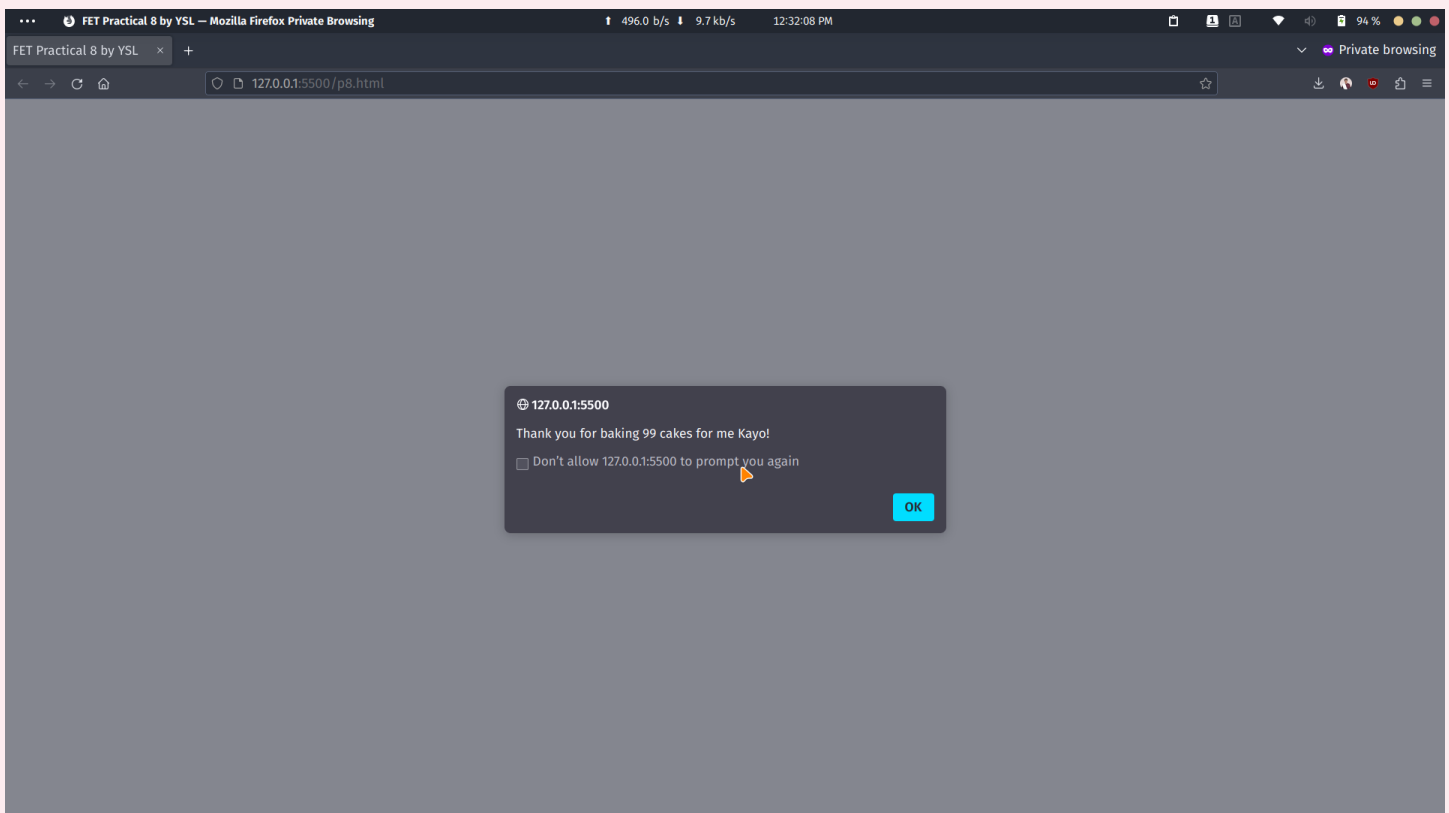**Code Link for all practicals :**
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