Using JS in HTML

A simple script tag can be used to add JS to the HTML file as below:

```html
<html>
<head>
    <title>
        Hello
    </title>
    <head>
<body>
    <script>
      console.log("Hello! I am JS")
    </script>
</body>
</html>
```

Note: The above line `console.log("...")` is same as System.out.println("...")

Interacting using JS

Not only this, JS can interact or control the element of the HTML.
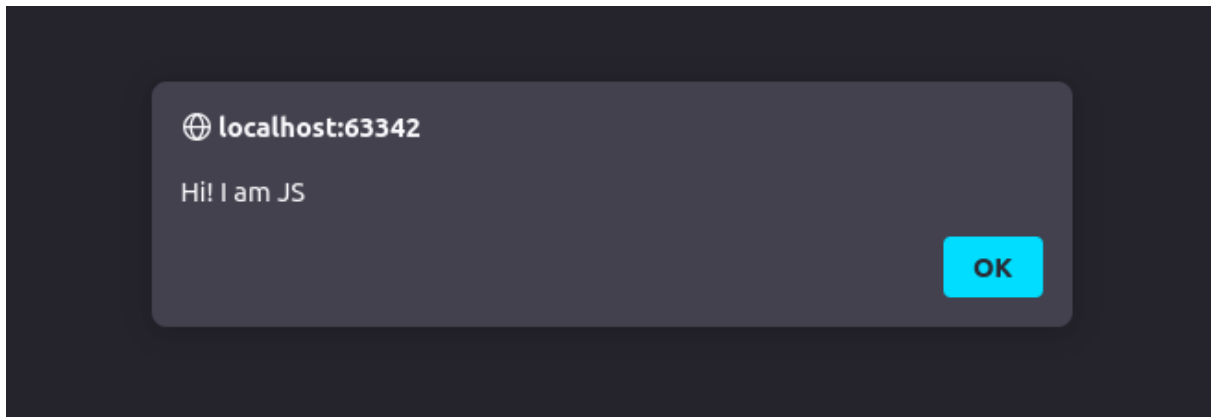
Before going to that, let us understand the two dialogue boxes used in JS 😀
1 - The alert box
The syntax is pretty simple and it's like below:

```
1   <html>
2   <head>
3       <title>
4           Hello
5       </title>
6       <head>
7   <body>
8       <script>
9  💡     alert("Hi! I am JS")
10      </script>
11  </body>
12  </html>
```

The output on the browser window is this:

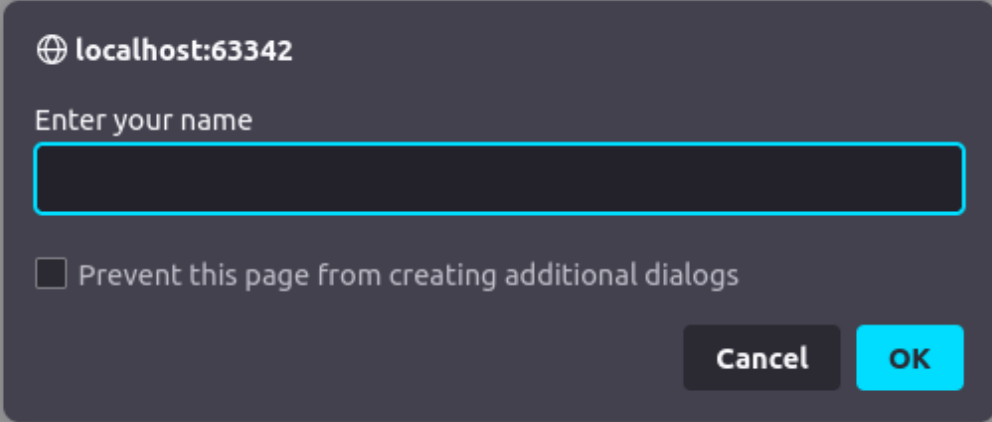localhost:63342

Hi! I am JS

OK

Thus, you can infer by now, that alert is used to show some message to the user.

Lets see the last one,
2 - The prompt Dialog box

Just like the python input function works,
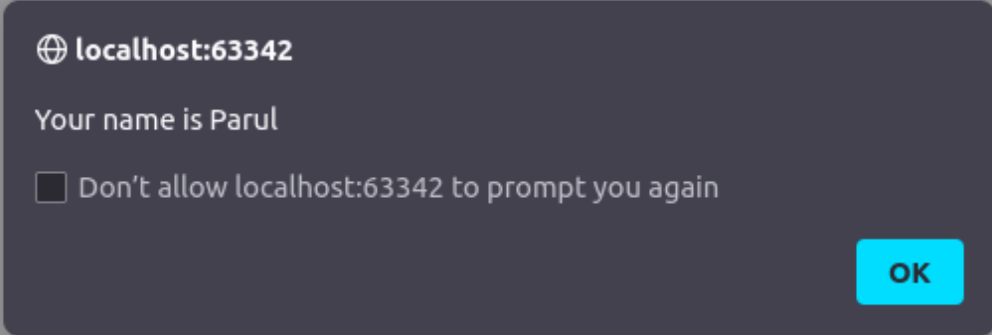This prompt function works same as that.

```html
1  <html>
2  <head>
3      <title>
4          Hello
5      </title>
6      <head>
7  <body>
8      <script>
9        let data = prompt("Enter your name")
10 💡     alert("Your name is " + data)
11     </script>
12 </body>
13 </html>
```

And this is the output:

Since, we are using this code:

```html
<head>
<body>
  <script>
      let data = prompt("Enter your name")
      alert("Your name is " + data)
  </script>
</body>
```

Thus, as soon as the page loads the script executes.

But what if we want to bind to an event like, the click on a button should prompt the user about his name 🤔.
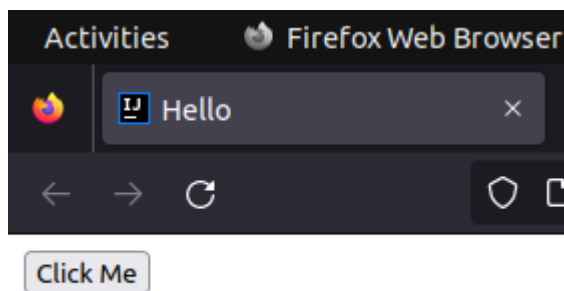
Let's transform the same program to work on the press of a button:

```html
1   <html>
2   <head>
3       <title>
4           Hello
5       </title>
6       <head>
7   <body>
8       <script>
9         function onPress(){
10            let data = prompt("Enter your name")
11            alert("Your name is " + data)
12          }
13      </script>
14    💡  <button onclick="onPress()">Click Me</button>
15  </body>
16  </html>
```
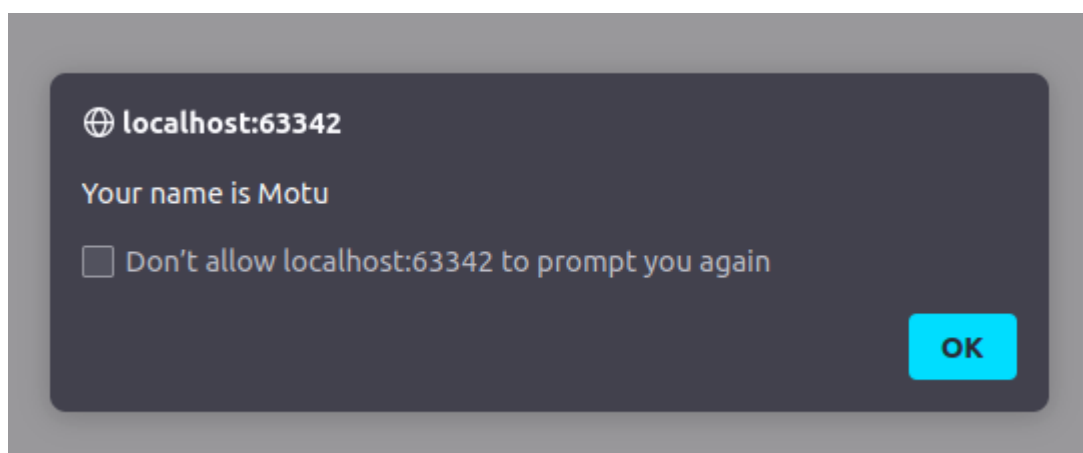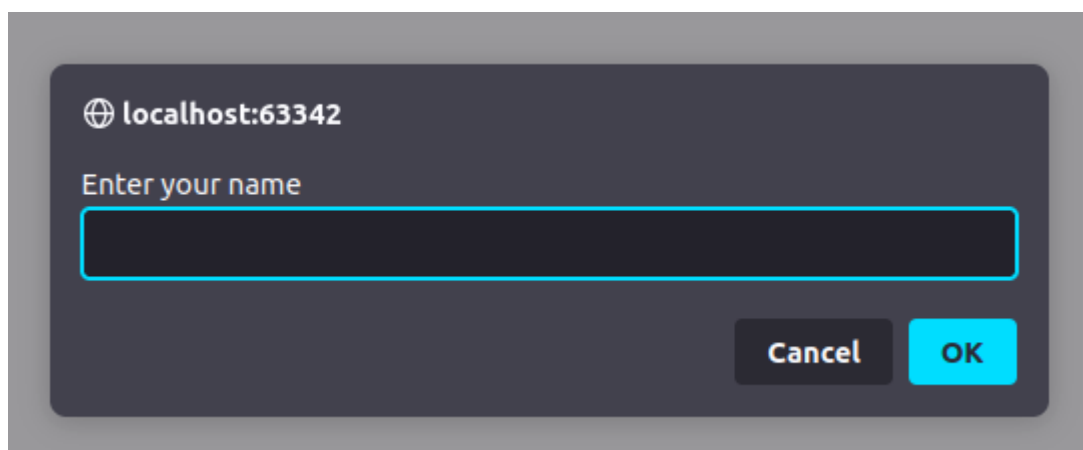
See this is so simple 😁:
First write all your code in a function in the script tag, I have given the name **onPress** but you can give any name to it, and then using the **onclick** attribute of the html button, I have passed the function name to it.

Now, when this script executes this is how the page will look:

And on clicking the button,
It will ask for username as programmed and will show the alert box:

That's all, 😊🤞 .