COURSE NAME: O level   **SUBJECT: WEB DESIGNING AND PUBLISHING**

TOPIC: JavaScript   **DATE: 26/05/2020**

Pop up boxes in JavaScript

Sometime, it is desired to raise an Alert or get confirmation on inputs or to have a kind of input from the users. To do such things on webpages, JavaScript provides mainly three types of pop-up or dialog boxes. These are

1. Alert Dialog Box
2. Confirmation Dialog Box
3. Prompt Dialog Box

1. Alert Dialog Box

Alert box gives only one button "**OK**" and it is mandatorily be clicked to close the Alert popup box. It may be used to display some instructions or to display warning type of messages. An alert box is often used if you want to make sure information comes through to the user. When an alert box pops up, the user will have to click "OK" to proceed.

Syntax

    alert(< "message to be displayed">);

Or
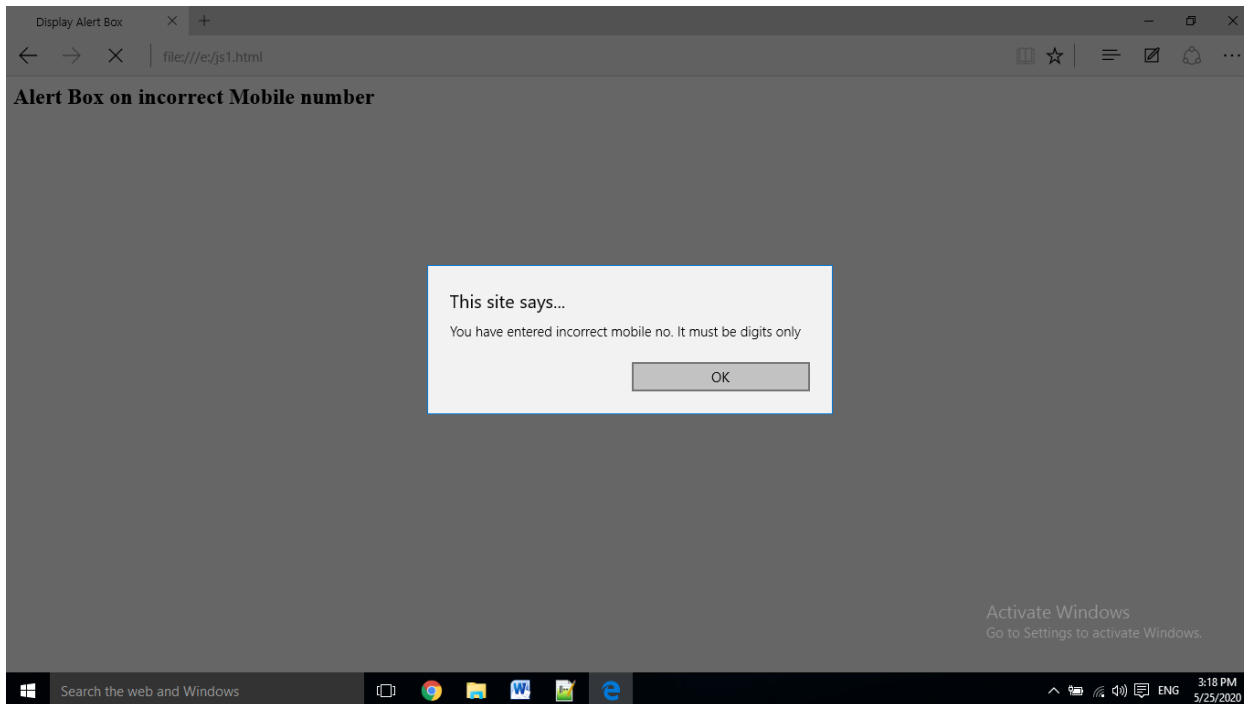
    Windows.alert(< "message to be displayed">);

For example, if mobile no field requires to enter only numbers but the user does not provide any input or enter text data, then as a part of validation, an alert box may be used to display a warning message.

Example

```
<html>
<head>
  <title>Display Alert Box</title>
</head>
  <body>
<h2>Alert Box on incorrect Mobile number</h2>
  <script>
      alert("You have entered incorrect mobile no. It must be digits only");
  </script>
</body>
</html>
```

Output

Confirmation Dialog Box

If it is desired from the user to verify or accept something, a confirmation dialog box is used. A confirm box, there are two options to choose from, i.e. click "**OK**" or "**Cancel**" to proceed. If the "OK" is clicked, the box returns **true** and if the "Cancel", the box returns **false**.

Syntax

confirm(< "Verification message to be displayed">);

Or

windows.confirm(< "Verification message to be displayed">);

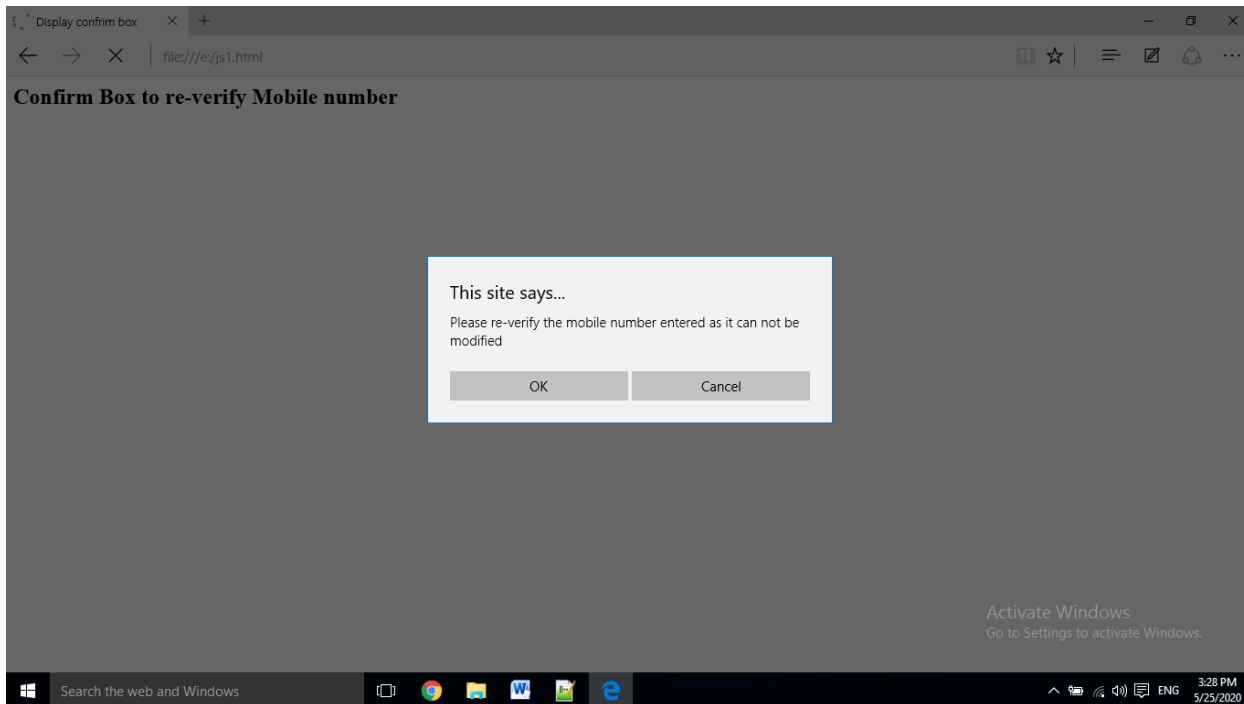## Example

```html
<html>
<head>
   <title>Display confrim box</title>
</head>
    <body>
<h2>Confirm Box to re-verify Mobile number</h2>
   <script>
       confirm("Please re-verify the mobile number entered as it can not be modified");
   </script>
</body>
</html>
```

2

Output

Prompt Dialog Box

The prompt dialog box may be used if we want to pop-up a text box to get user input, i.e. a prompt box may be used if we want the user to input a value before entering a page. Thus, it enables you to interact with the user.

The prompt dialog box has two buttons: **OK** and **Cancel** and the user have to click either "OK" or "Cancel" to proceed after entering an input value. If the user clicks the OK button, the window method **prompt()** will return the entered value from the text box. If the user clicks the Cancel button, the window method **prompt()** returns **null**.

Syntax

window.prompt("*Label*","*defaultText*");

or

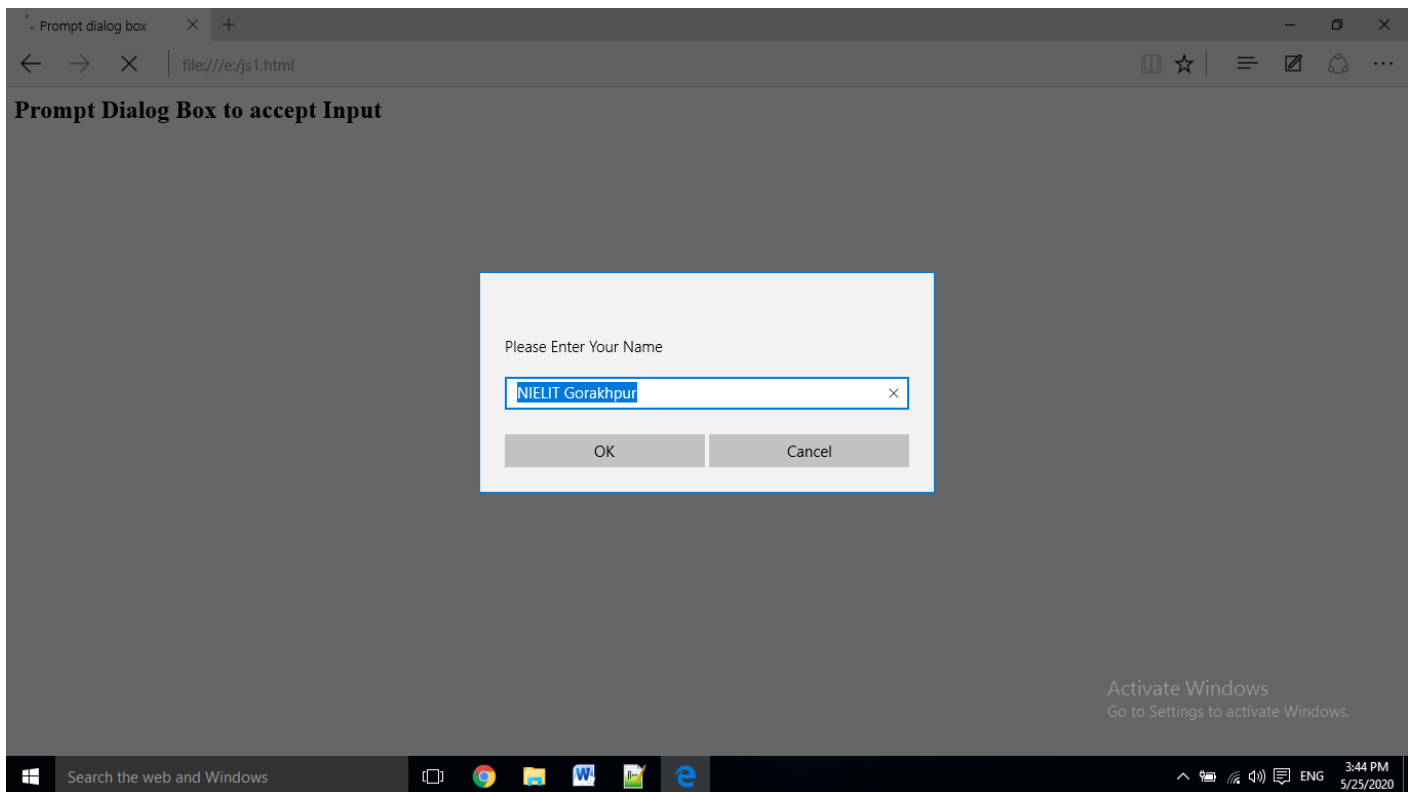**prompt("*Label*","*defaultText*");**

Where,

Label – is the label of the displayed text box

defaultText – is the string to display in the text box by defacult. In this Text box, user may need to enter the input text.

Example

```
<html>
<head>
   <title>Prompt dialog box</title>
</head>
    <body>
<h2>Prompt Dialog Box to accept Input </h2>
   <script>
            prompt("Please Enter Your Name","NIELIT Gorakhpur");
   </script>
</body>
</html>
```

Output

Implementation of Popup Boxes

These Popup Boxes can be used along with functions etc in the JavaScript Program to accept user inputs and display customized messages as per requirements.

Example

```html
<html>
<head>
   <title>Prompt dialog box</title>
</head>
    <body>
<h2>Prompt Dialog Box to accept Input </h2>
        <p>Click the "Enter Your Name" button to enter your name </p>
      <button onclick="testFunction()">Enter your Name</button>
         <p id="test"></p>

<script>
function testFunction() {
  var wctxt;
  var name = prompt("Please enter your name:", "NIELIT Gorakhpur");
  if (name == null || name == "") {
    wctxt = "User cancelled the prompt.";
  } else {
    wctxt = "Dear  .." + name + " ..Welcome to NIELIT Family";
  }
  document.getElementById("test").innerHTML = wctxt;
}
</script>

</body>
</html>
```
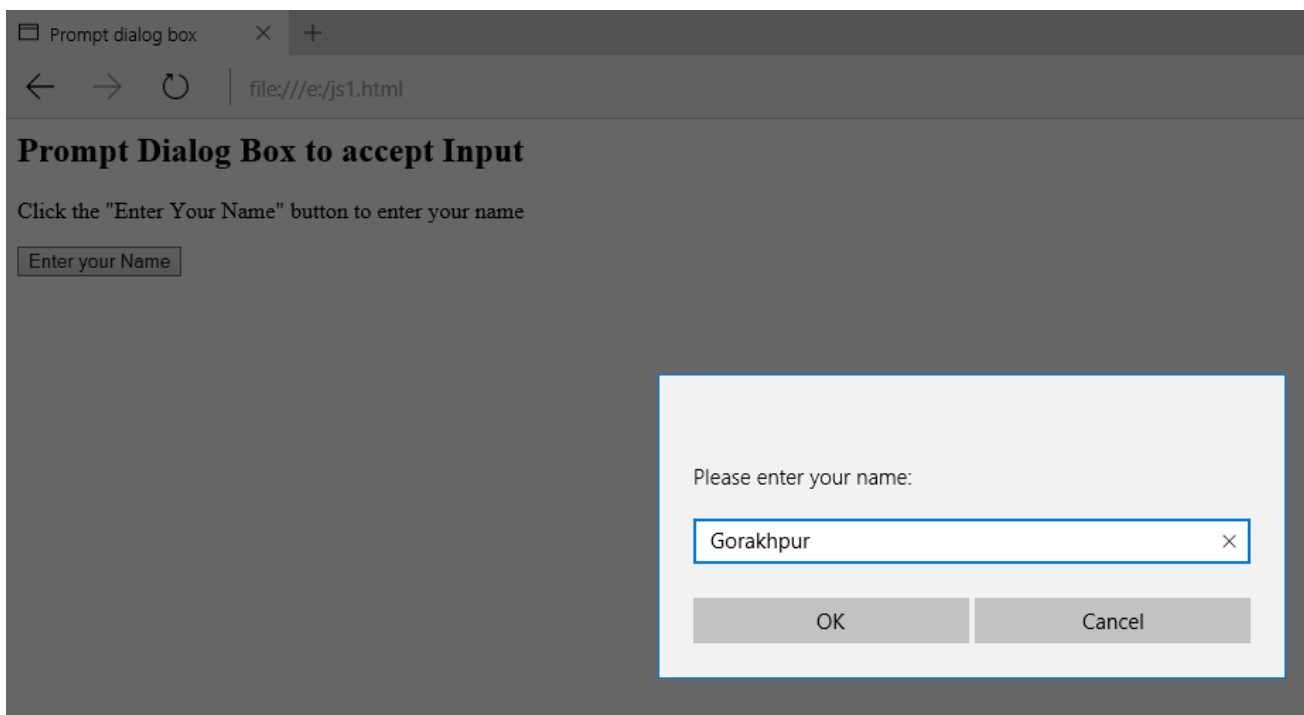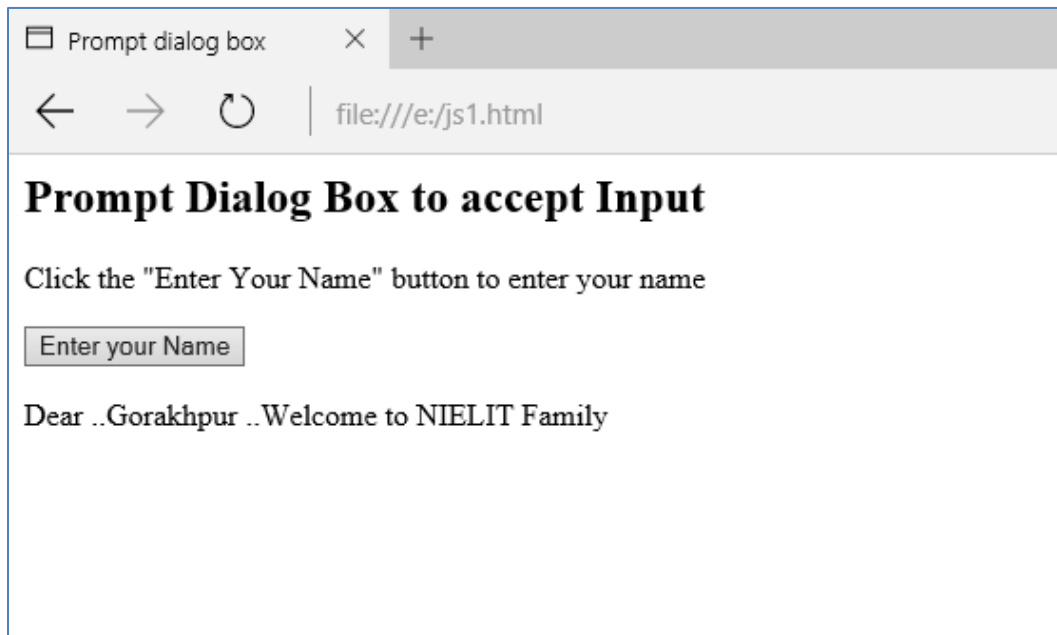
Output: On clicking the "Enter your Name" button and entering the name

After Clicking Ok button

Prompt Dialog Box to accept Input

Click the "Enter Your Name" button to enter your name

Enter your Name

Dear ..Gorakhpur ..Welcome to NIELIT Family

Assignment

1. What are different type of pop up boxes?
2. How Alert and Confirm boxes are different from one another?