

Introduction to JavaScript Programming

Module 7 - Popup Boxes in Java Script



CBSE

JavaScript Popup Boxes

JavaScript provides various popup boxes to notify, warn, or to get input from the user. Popup boxes prevent the user from accessing other aspects of a program until the popup is closed, so they should not be overused.



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There are three different kinds of popup methods used in JavaScript.

- Alert box
- Confirm box
- Prompt box



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Alert Box in JavaScript



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Alert box is a dialog box which displays a message in a small window with an OK button, it is used, and when we want to make sure the information is coming via user.

- User have to click to OK button to proceed.
- Alert box with text and [OK] button
- Just a message shown in a dialog box:



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Syntax:

```
alert("text goes here");
```

Application:

Inform users of an event or action, like a successful login or a warning.



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Solved Example of Alert Box

**Ques:** Create an HTML document that performs the following actions:

- Sets the background color of the webpage to light green (hex color: #90EE90).
- Displays an Alert Popup Box with the message: "This is an example of Alert POPUP Box. Click me to proceed!".
- After the user closes the alert, writes the message: "Have a Nice day!!! Hope you find this message Well" directly on the webpage.



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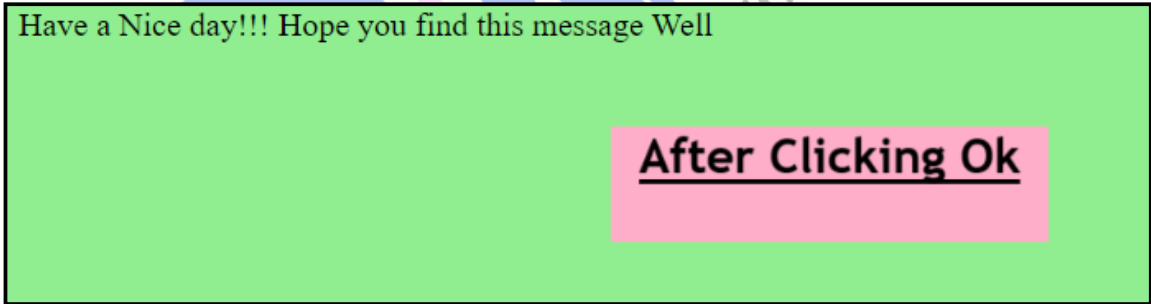
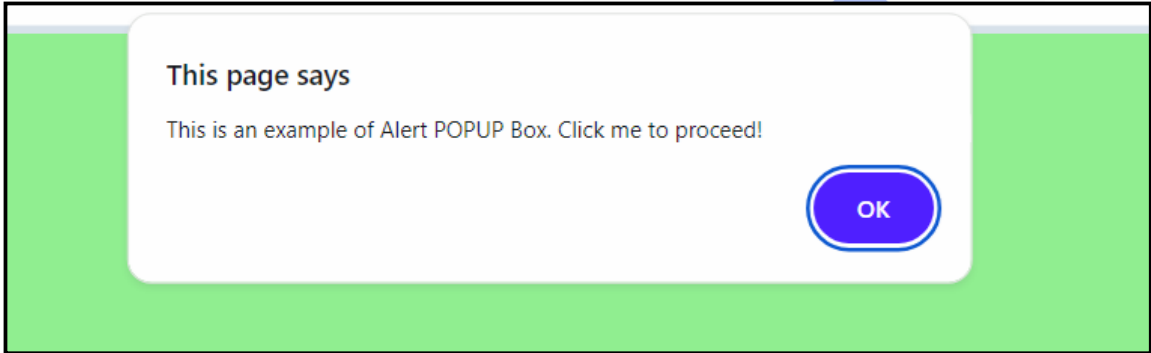
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Solution:

```
<html>  
<head>  
</head>  
<body bgcolor="#90EE90">  
  <script type="text/javascript">  
    alert("This is an example of Alert POPUP Box. Click me to proceed!");  
    document.write("Have a Nice day!!! Hope you find this message Well")  
  </script>  
</body>  
</html>
```

OUTPUT:



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Assignment

Ques 1: Create an HTML document that performs the following actions:

- Sets the background color of the webpage to light blue (hex color: #ADD8E6).
- Displays an Alert Popup Box with the message: "Welcome to the Blue Sky! Click OK to continue."
- After the user closes the alert, writes the message: "Enjoy the serene blue sky and have a productive day!" directly on the webpage.

Ques 2: Create an HTML document that performs the following actions:

- Sets the background color of the webpage to yellow (hex color: #FFFFE0).
- Displays an Alert Popup Box with the message: "Hello! Bright sunshine awaits. Click OK to proceed."
- After the user closes the alert, writes the message: "Wishing you a bright and sunny day filled with positivity!" directly on the webpage.

Confirmation box in JavaScript

Purpose:

- The confirm() function displays a pop-up with two options: OK and Cancel. It returns true if the user clicks OK and false if the user clicks Cancel.

Application:

- Used when you need confirmation from the user for actions like deleting data, proceeding with payment, or confirming choices.

Contains text, [OK] button and [Cancel] button

- Confirm box is a dialog box which displays a message in a small window with two buttons. One OK and other Cancel.

- It is used when we want the user to confirm/verify something.

- When user clicks OK the box returns true else when user clicks Cancel the box returns false.

Syntax:

confirm("text goes here");

Solved Example on Confirm Box

Ques: Create an HTML document that performs the following actions:

- Sets the background color of the webpage to pink.

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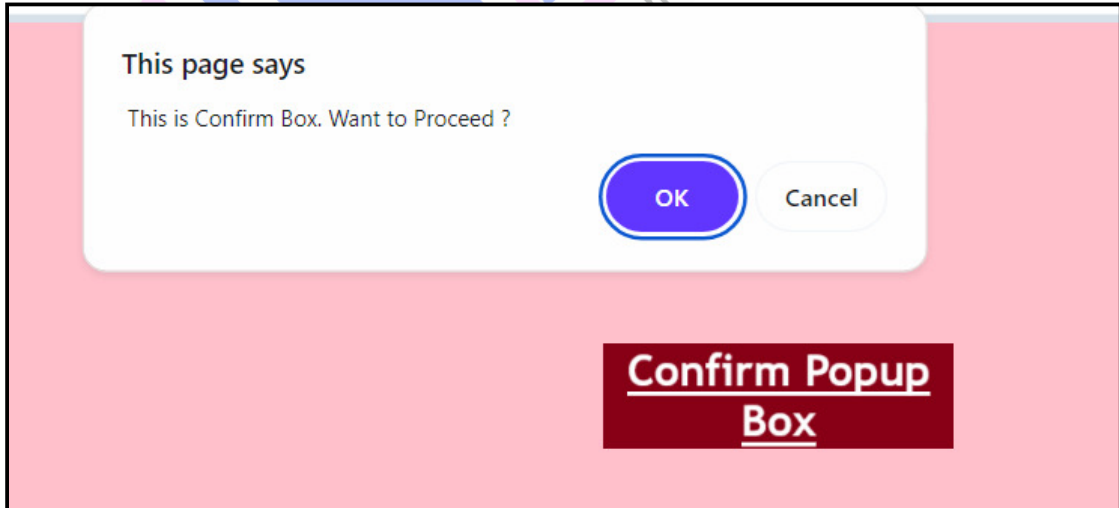
- Displays a Confirm Box with the message: "This is Confirm Box. Want to Proceed?". The confirm box should have two options: OK and Cancel.
- After the user clicks on either OK or Cancel, display the message: "You have clicked on: " + [user's choice] directly on the webpage, where [user's choice] will be either true (if OK is clicked) or false (if Cancel is clicked).

**Expected Output:**

- The background color of the page will be pink.
- A Confirm Box will pop up with the message "This is Confirm Box. Want to Proceed?".
- After clicking either OK or Cancel, the webpage will display:
  - "You have clicked on: true" if OK was clicked.
  - "You have clicked on: false" if Cancel was clicked.

**Solution:**

```
<html>
<head>
</head>
<body bgcolor="pink">
  <script type="text/javascript">
    Var a = confirm(" This is Confirm Box. Want to Proceed ?");
    document.write("Your have clicked on : " + a);
  </script>
</body>
</html>
```



**Confirm Popup  
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Your have clicked on : false

**Confirm Popup Box:  
When Clicked Cancel**

Your have clicked on : true

**Confirm Popup Box:  
When Clicked OK**

Assignment

Ques 1: Create an HTML document that performs the following actions:

- Sets the background color of the webpage to light yellow.
- Displays a Confirm Box with the message: "Are you ready to start your day?". The confirm box should have two options: OK and Cancel.
- After the user clicks on either OK or Cancel, display the message: "You have selected: " + [user's choice] directly on the webpage, where [user's choice] will be either true (if OK is clicked) or false (if Cancel is clicked).

Expected Output:

- The background color of the page will be light yellow.
- A Confirm Box will appear with the message "Are you ready to start your day?".
- After the user clicks either OK or Cancel, the webpage will display:
  - "You have selected: true" if OK was clicked.
  - "You have selected: false" if Cancel was clicked.

Ques 2: Create an HTML document that performs the following actions:

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- Sets the background color of the webpage to light sky blue.
- Displays a Confirm Box with the message: "Do you want to save your changes?". The confirm box should have two options: OK and Cancel.
- After the user clicks on either OK or Cancel, display the message: "You have chosen: " + [user's choice] directly on the webpage, where [user's choice] will be either true (if OK is clicked) or false (if Cancel is clicked).

Expected Output:

- The background color of the page will be light sky blue.
- A Confirm Box will appear with the message "Do you want to save your changes?".
- After the user clicks either OK or Cancel, the webpage will display:
  - "You have chosen: true" if OK was clicked.
  - "You have chosen: false" if Cancel was clicked.

**JavaScript Prompt Box**

**Purpose:**

The prompt() function is used to display a dialog box that asks the user for input. It returns the input value as a string. If the user clicks Cancel, it returns null.

**Application:**

Useful when you want the user to provide some information, like entering a name, age, or search query

- Contains text, input field with default value.
- Prompt box is a dialog box which displays a message in a small window with a text box along with two buttons. One OK and other Cancel.
- It is used when we want the user to input a value before proceeding ahead.
- When a user clicks OK the box returns the input value else when user clicks Cancel the box return null

**Syntax:**

prompt("text goes here", "default value");

**Solved Example on Prompt Box**

Ques: Create an HTML document that performs the following actions:

- Sets the background color of the webpage to **light cream** (hex color: #FFFFC5).
- Displays a Prompt Box asking the user to "Enter your name like Kavita, Mohit, Anchal". The prompt should not have a default value.



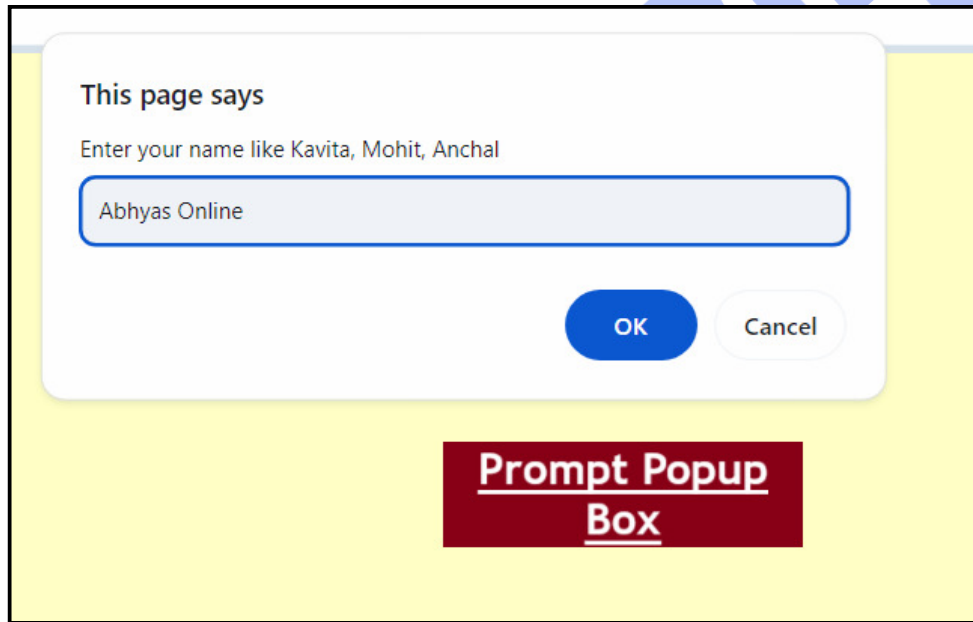
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- After the user enters their name and clicks OK, display the message: "You have entered name as: [user's input]" directly on the webpage.
- If the user clicks Cancel without entering a name, the output should display "You have entered name as: null"

Solution:

```
<html>
<head>
</head>
<body>
  <script>
    var a = prompt("Enter your name like Kavita, Mohit, Anchal", ""); //without
    default value
    document.write("Your have entered name as : " + a);
  </script>
</body>
</html>
```



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Your have entered name as : Abhyas Online

After Entering Name,  
Click OK

Your have entered name as : null

When Click on  
Cancel

Assignment

Ques 1: Create an HTML document that performs the following actions:

- Sets the background color of the webpage to light pink (hex color: #FFCCCB).
- Displays a Prompt Box asking the user to "Enter your favorite color like Red, Blue, Green". The prompt should not have a default value.
- After the user enters their favorite color and clicks OK, display the message: "Your favorite color is: [user's input]" directly on the webpage.

Expected Output:

- The background color of the webpage will be light pink.
- A Prompt Box appears with the message: "Enter your favorite color like Red, Blue, Green".

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- After the user inputs their favorite color (e.g., "Blue") and clicks OK, the webpage will display:
- "Your favorite color is: Blue" if the user enters "Blue".
- "Your favorite color is: null" if the user clicks Cancel without entering a color.

Ques 2: Create an HTML document that performs the following actions:

- Sets the background color of the webpage to light gray (hex color: #D3D3D3).
- Displays a Prompt Box asking the user to "Enter your age". The prompt should not have a default value.
- After the user enters their age and clicks OK, display the message: "You have entered age as: [user's input]" directly on the webpage.

Expected Output:

- The background color of the webpage will be light gray.
- A Prompt Box appears with the message: "Enter your age".
- After the user inputs their age (e.g., "25") and clicks OK, the webpage will display:
- "You have entered age as: 25" if the user enters "25".
- "You have entered age as: null" if the user clicks Cancel without entering an age.



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