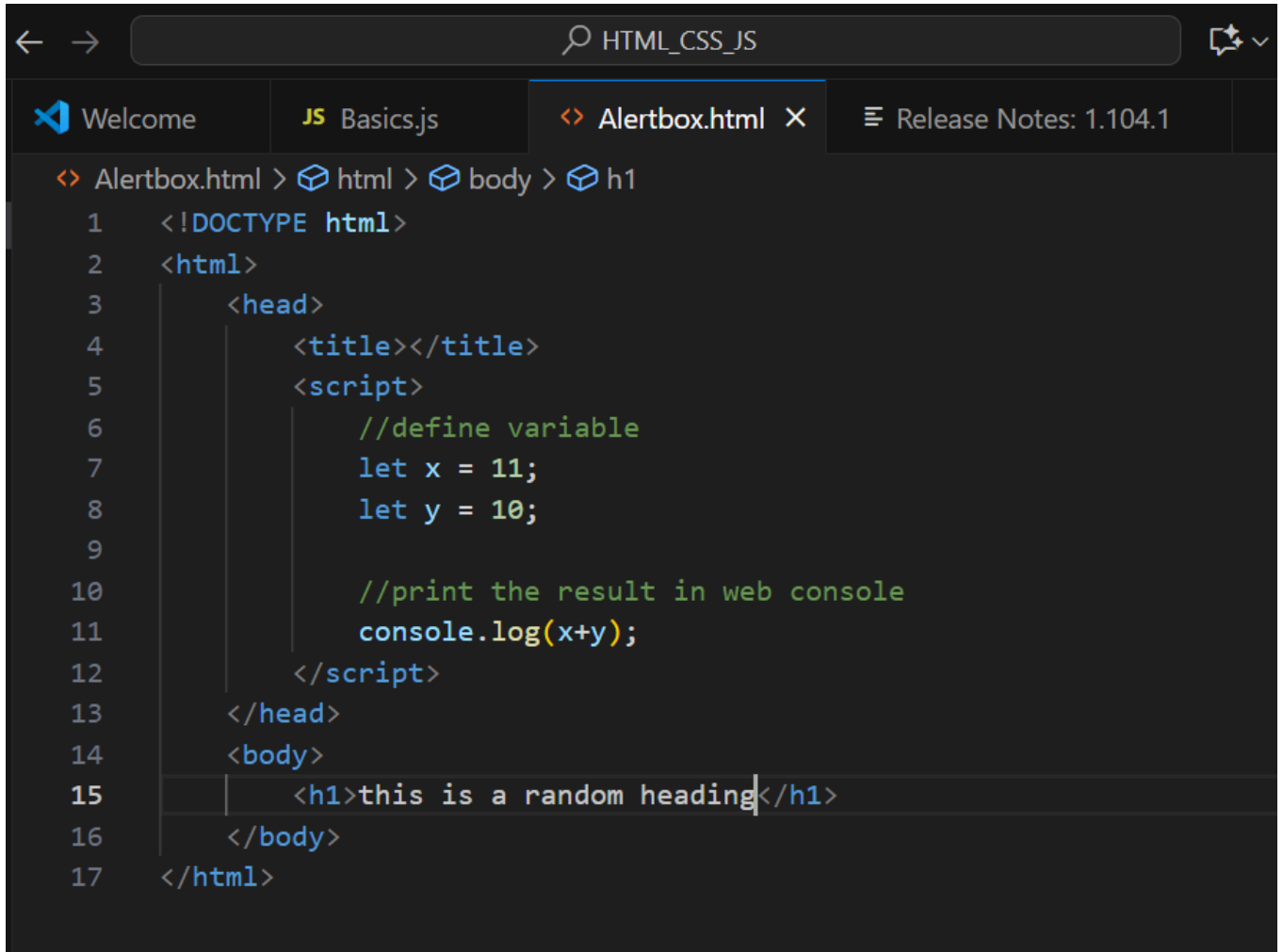


Javascript basics

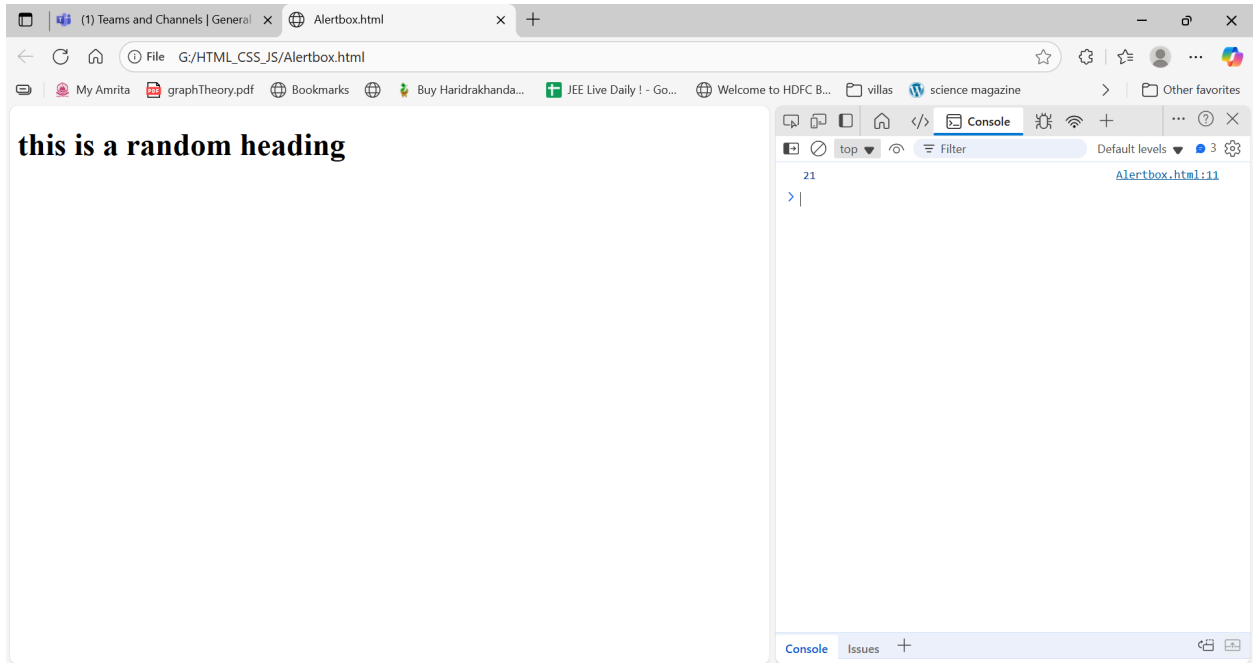
1. Define Variables and How to add console.log and print in web console



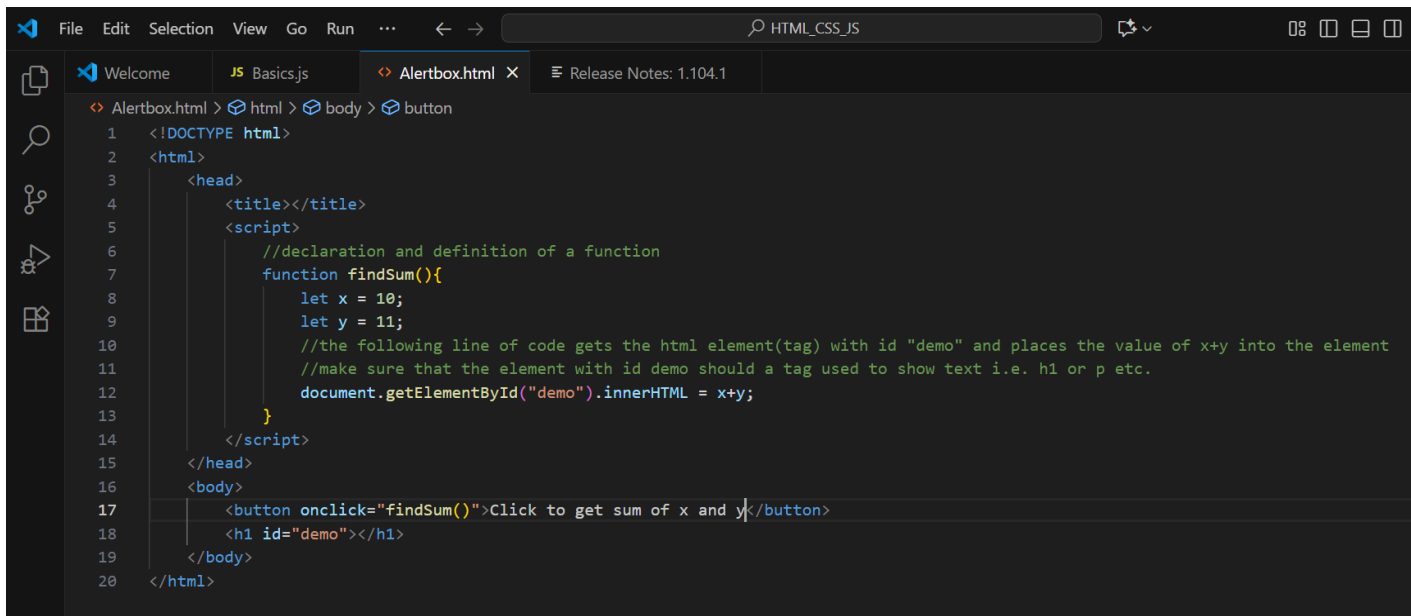
```
<!-- Browser address bar: HTML_CSS_JS -->
Welcome | JS Basics.js | <> Alertbox.html X | Release Notes: 1.104.1

Alertbox.html > html > body > h1
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <title></title>
5          <script>
6              //define variable
7              let x = 11;
8              let y = 10;
9
10             //print the result in web console
11             console.log(x+y);
12         </script>
13     </head>
14     <body>
15         <h1>this is a random heading</h1>
16     </body>
17 </html>
```

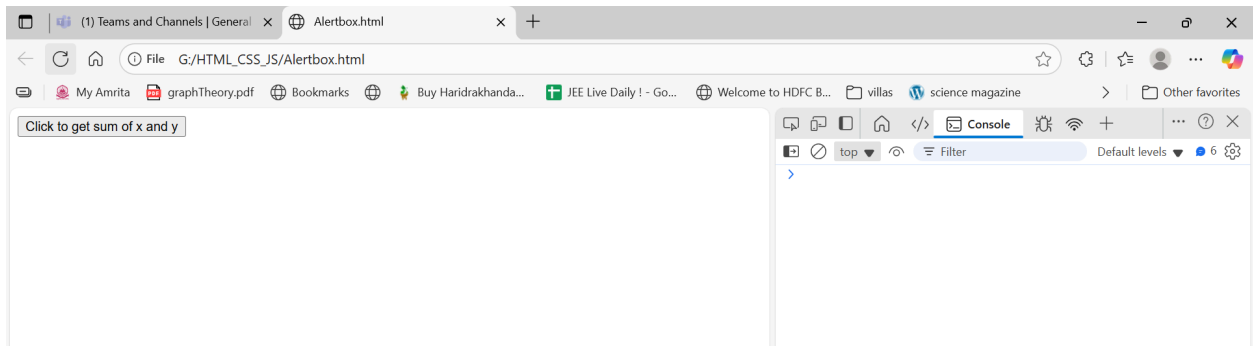
To open web console : right-click on your web page and click on inspect or do Ctrl+Shift+i and click on console tab.



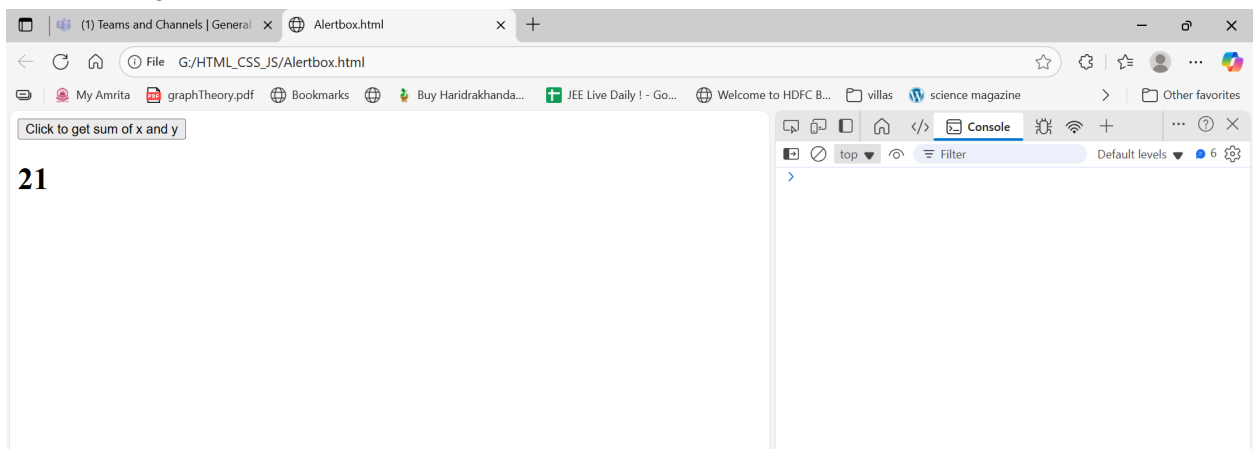
2. How to create a function and How to show text on click of a button : Note that every function is called when a certain event occurs i.e. on click of a button or on hover of a table or any similar situations.



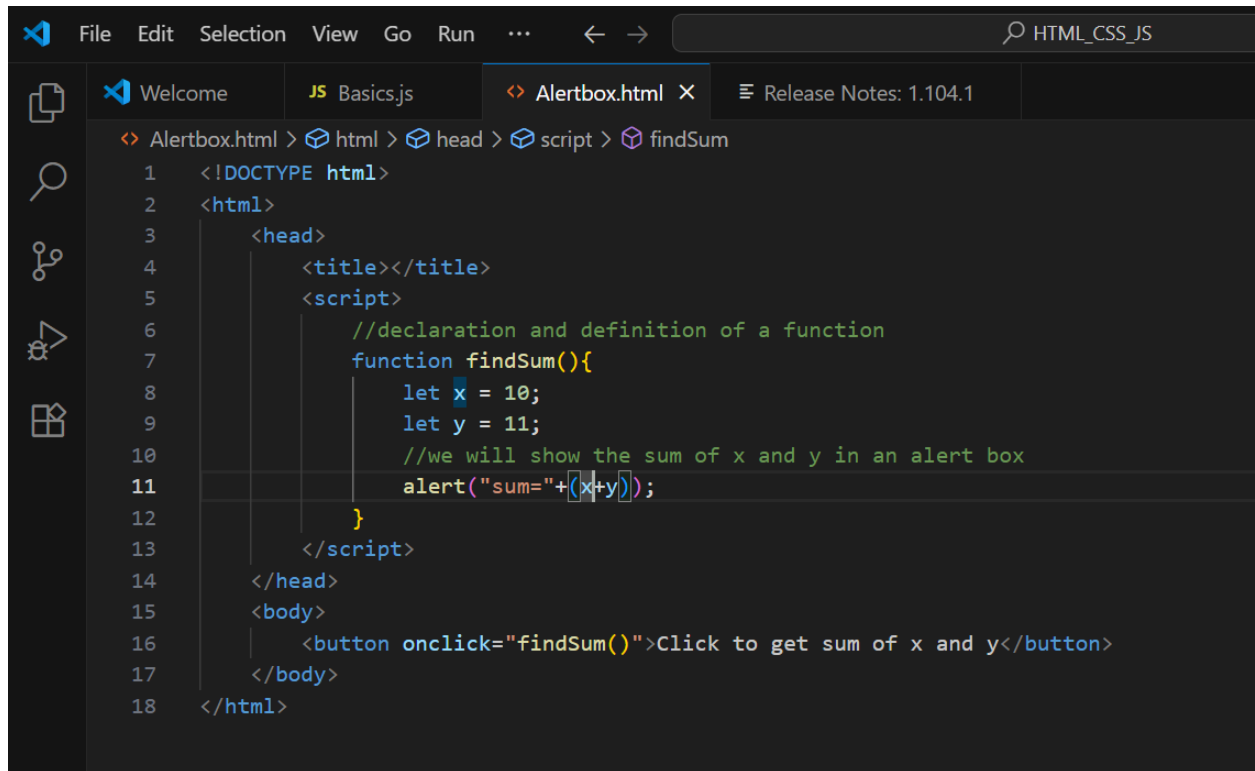
Before clicking the button



After clicking the button

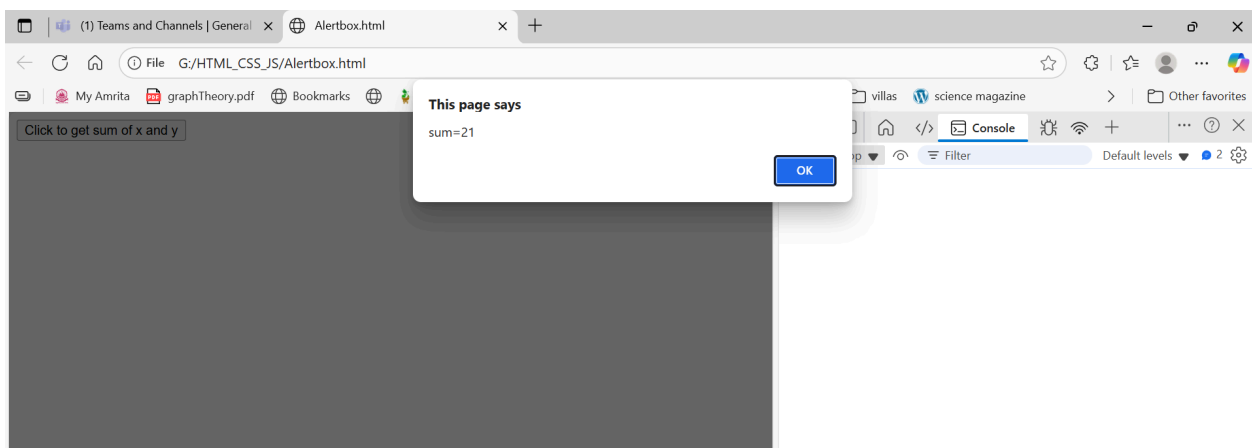


3. How to show an alert box on click of a button

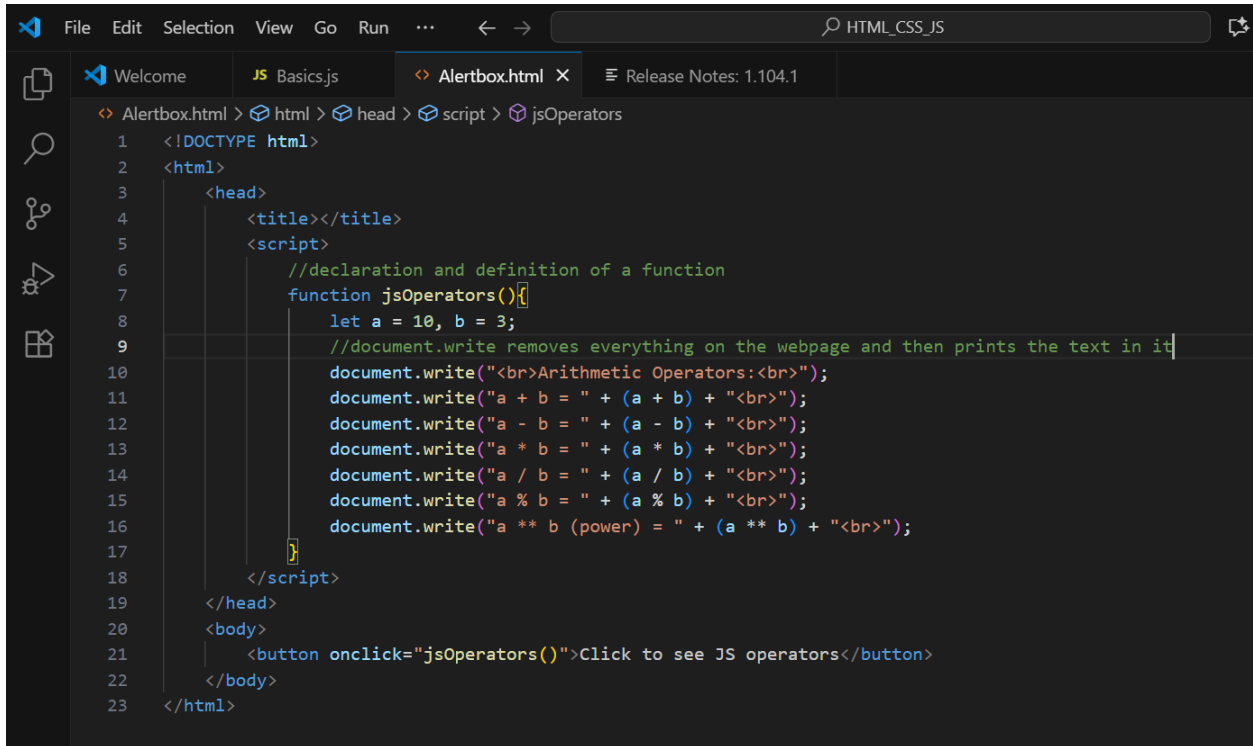


```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title></title>
5     <script>
6       //declaration and definition of a function
7       function findSum(){
8         let x = 10;
9         let y = 11;
10        //we will show the sum of x and y in an alert box
11        alert("sum="+x+y);
12      }
13    </script>
14  </head>
15  <body>
16    <button onclick="findSum()">Click to get sum of x and y</button>
17  </body>
18 </html>
```

On click of the button

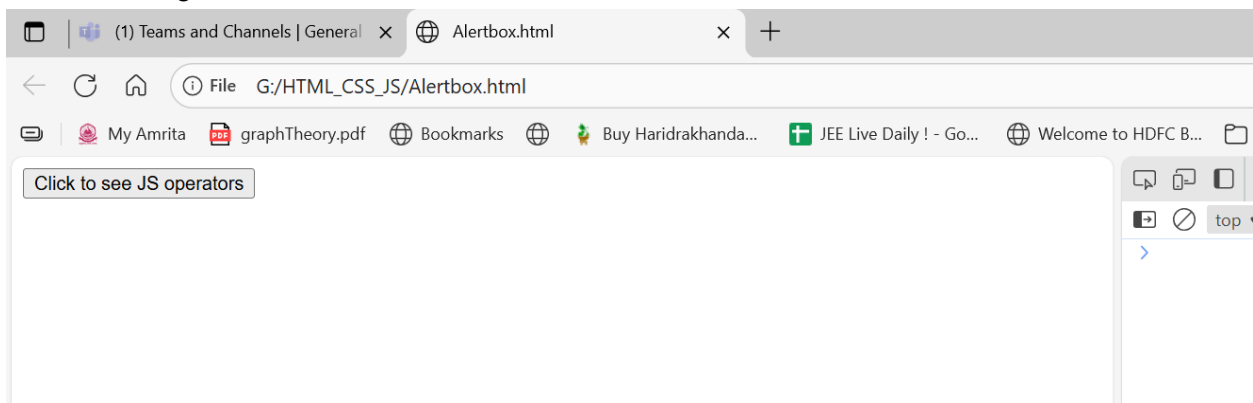


4. How to use different JS arithmetic operators

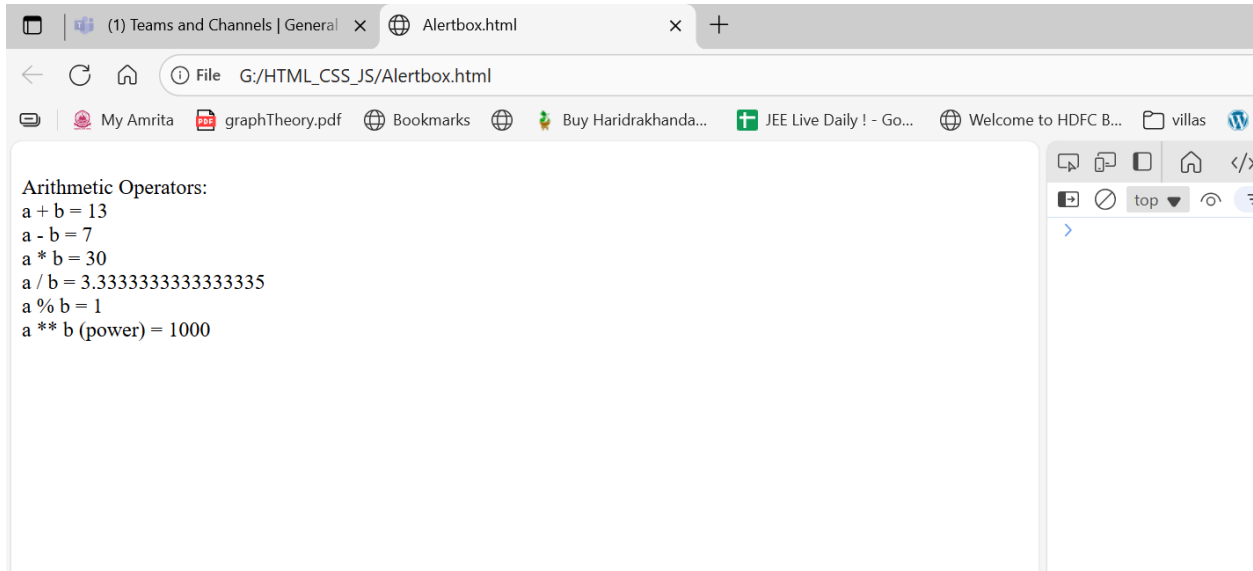


```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title></title>
5     <script>
6       //declaration and definition of a function
7       function jsOperators(){
8         let a = 10, b = 3;
9         //document.write removes everything on the webpage and then prints the text in it
10        document.write("<br>Arithmetic Operators:<br>");
11        document.write("a + b = " + (a + b) + "<br>");
12        document.write("a - b = " + (a - b) + "<br>");
13        document.write("a * b = " + (a * b) + "<br>");
14        document.write("a / b = " + (a / b) + "<br>");
15        document.write("a % b = " + (a % b) + "<br>");
16        document.write("a ** b (power) = " + (a ** b) + "<br>");
17      }
18    </script>
19  </head>
20  <body>
21    <button onclick="jsOperators()">Click to see JS operators</button>
22  </body>
23 </html>
```

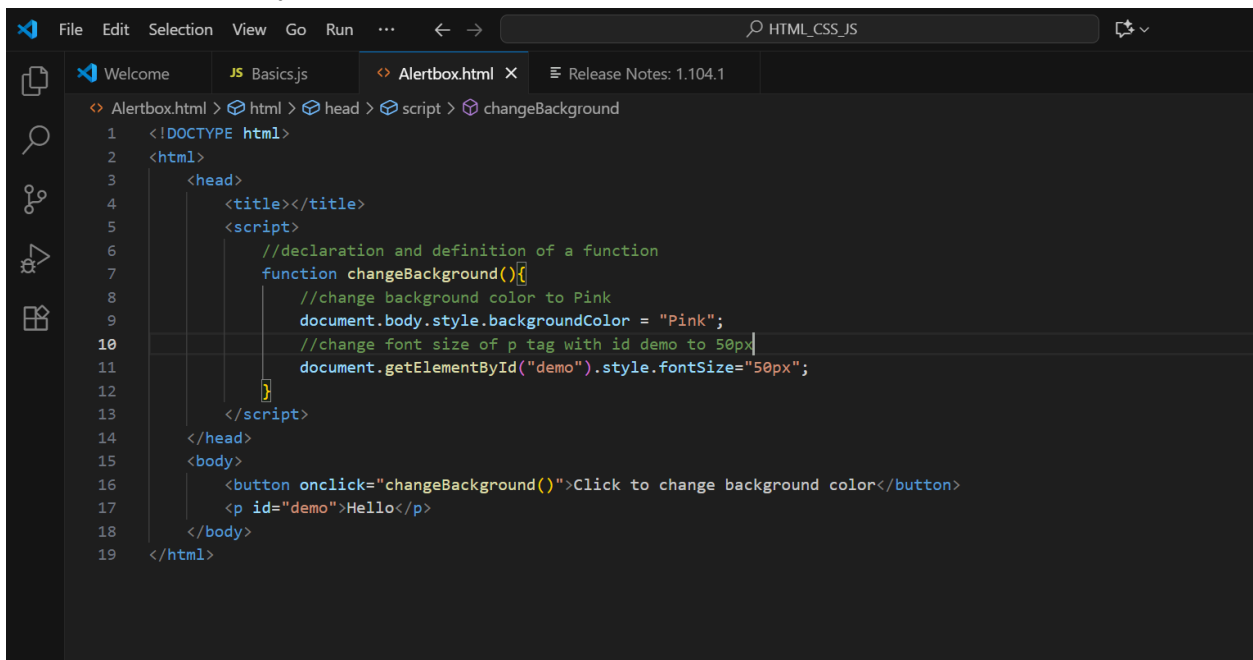
Before clicking



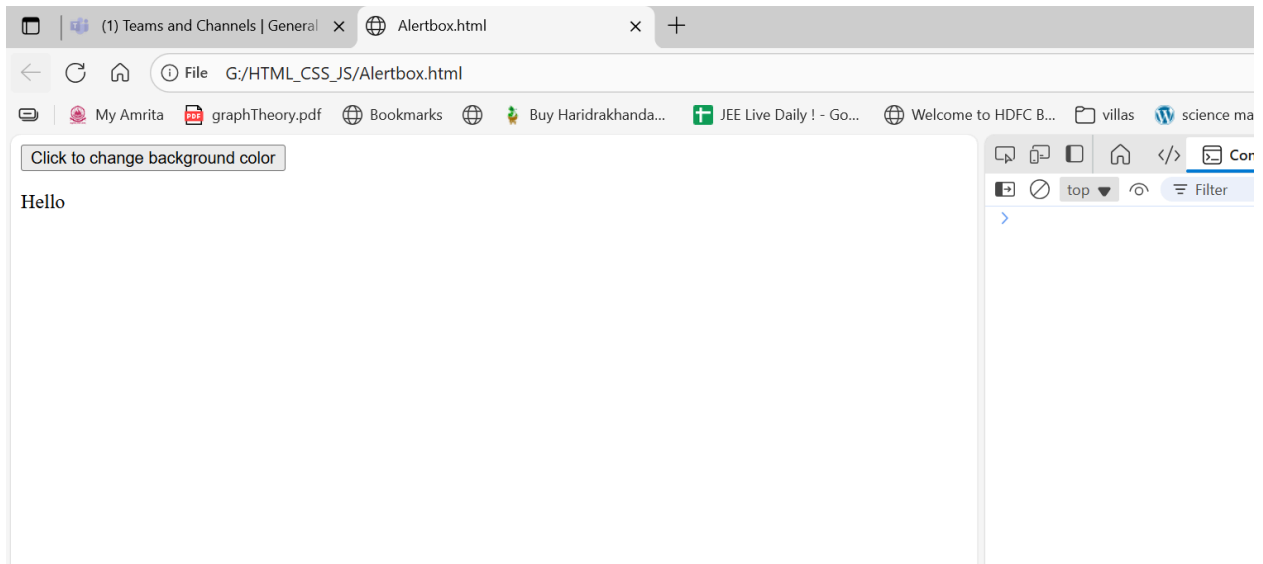
After clicking



5. How to add style to a particular element on click of a button



Before clicking



After clicking

