

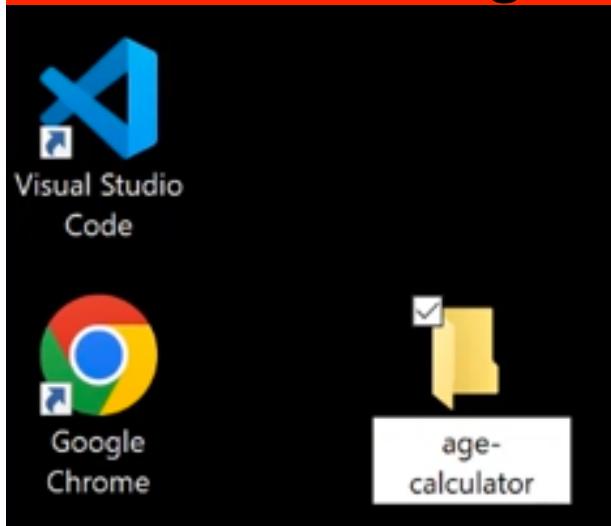
Project Age Calculator

<https://www.100jsprojects.com/project/age-calculator>

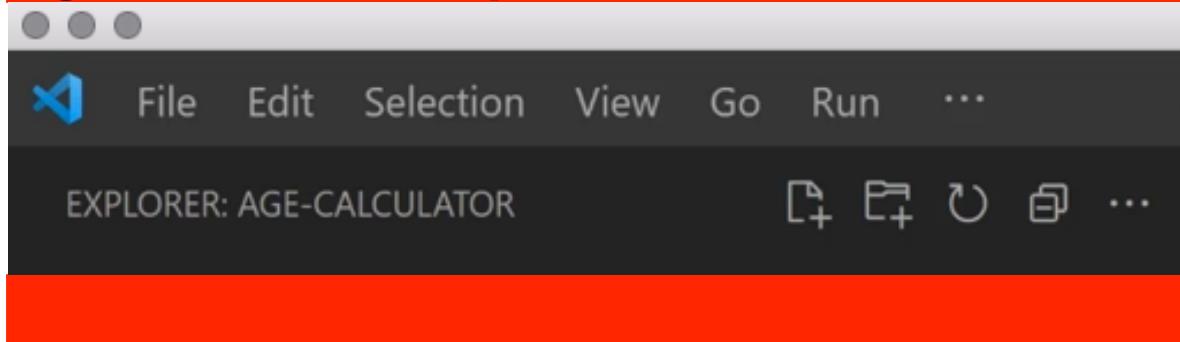
Demo

<https://demo.100jsprojects.com/age-calculator>

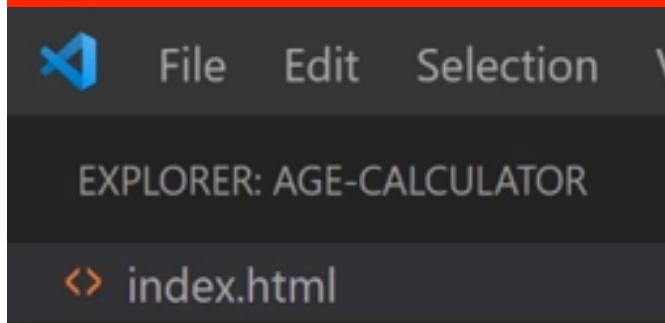
create a folder age-calculator



right click and open with vscode



create new file index.html



! -> to create html boiler plate code

A screenshot of the Visual Studio Code interface showing an Emmet abbreviation suggestion. The code editor has a dark theme. In the top left, there is a tab labeled "index.html" with an "X" icon. The main code area shows the following HTML structure:

```
1 ![  
  ↗ !  
  ↗ !!!  
Emmet Abbreviation  
<!DOCTYPE html>  
<html lang="en">  
<head>  
  <meta charset="UTF-8">  
  <meta http-equiv="X-UA-Compatible" content="IE=edge">  
  <meta name="viewport" content="width=device-width,  
initial-scale=1.0">  
  <title>Document</title>  
</head>  
<body>  
  |  
</body>  
</html>
```

The cursor is positioned at the end of the first line, after the exclamation mark.

The latest version of HTML is HTML5, and the doctype for that version is simply `<!DOCTYPE html>`.

<html> element. This is what's known as the root element of the document, meaning that every other element in the document will be a descendant of it.

The <head> element is where we put important meta-information **about** our webpages, and stuff required for our webpages to render correctly in the browser. Inside the <head>, we **should not** use any element that displays content on the webpage

<meta charset="utf-8">.

Setting the encoding is very important because it ensures that the webpage will display special symbols and characters from different languages correctly in the browser.

Meta Tag: A tag with the **http-equiv**

attribute set to “**X-UA-Compatible**” and the content attribute set to “**IE=edge**” is used to force **Internet Explorer (IE)** to use the latest version of the rendering engine.

Regardless of the document’s compatibility mode.

X-UA-Compatible is a non-standard header that Microsoft introduced to support compatibility with older versions of IE.

However, it has become widely adopted and is now a common practice to include in web pages that need to support IE.

For example, if you need to support IE9, you can use the following code:

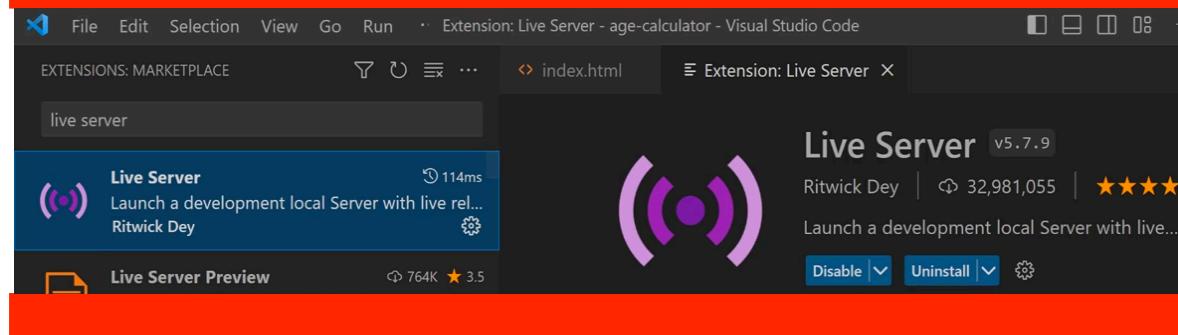
```
<meta http-equiv="X-UA-Compatible" content="IE=9">
```

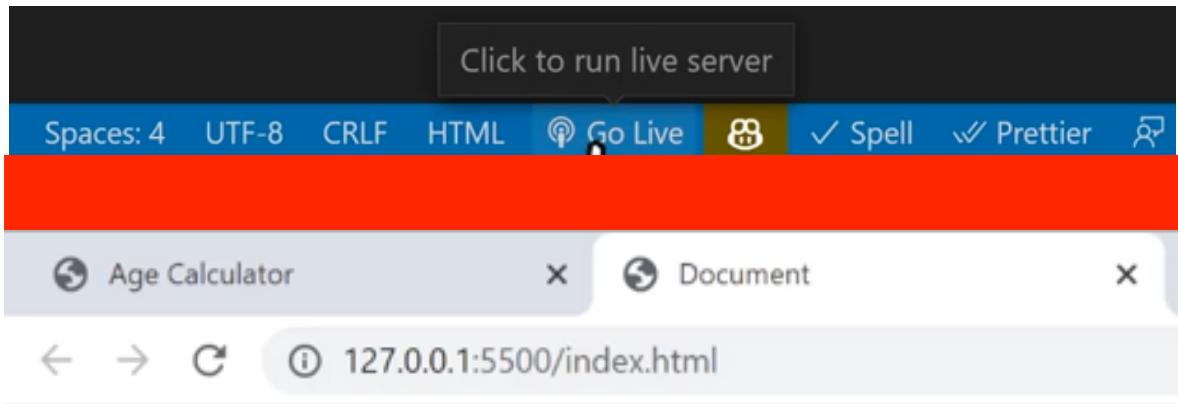
This tells IE to render the web page using the IE9 rendering engine

What is Viewport?

A Browser's viewport is the area of web page in which the content is visible to the user. The viewport does not have the same size, it varies with the variation in screen size of the devices on which the website is visible. For a laptop, the viewport has a larger size as compared to a smartphone or tablet.

```
↳ index.html ×  
1  <!DOCTYPE html>  
2  <html lang="en">  
3  <head>  
4  |   <meta charset="UTF-8">  
5  |   <meta http-equiv="X-UA-Compatible" content="IE=edge">  
6  |   <meta name="viewport" content="width=device-width,  
7  |     initial-scale=1.0">  
7  |   <title>Document</title>  
8  </head>  
9  <body>  
10  
11  </body>  
12  </html>
```





change the title

```
index.html - age-calculator - Visual Studio Code  index.html  127.0.0.1:5500/index.html
index.html X
5 <meta http-equiv="X-UA-Compatible" content="IE=edge">
6 <meta name="viewport" content="width=device-width, initial-scale=1.0">
7 <title>Age Calculator</title>
8 </head>
9 <body>
10
11 </body>
12 </html>
```

to create a container with white background and body is gray

```
↳ index.html ×
```

```
7     <title>Age Calculator</title>
8     </head>
9     <body>
10    .container
```

🔗 .container

Emmet Abbreviation

```
<div class="container">|</div>
```

Emmet Abbreviation

it gives suggestion, press tab to accept

```
↳ index.html ×
```

```
7     <title>Age Calculator</title>
8     </head>
9     <body>
10    <div class="container">
11    |
12    </div>
13    </body>
14    </html>
```



The screenshot shows a Visual Studio Code interface with two panes. The left pane displays the HTML code for an 'Age Calculator' page, and the right pane shows the rendered output in a browser window.

Left Pane (Code Editor):

```
7 <title>Age Calculator</title>
8 </head>
9 <body>
10 <div class="container">
11 | <h1>Age Calculator</h1>
12 | </div>
13 </body>
14 </html>
```

Right Pane (Browser Preview):

Age Calculator

Bottom Bar:

Emmet Abbreviation

<div class="form"></div>

```
index.html X ... 127.0.0.1:5500/index.html
```

```
7 <title>Age Calculator</title>
8 </head>
9 <body>
10 <div class="container">
11   <h1>Age Calculator</h1>
12   <div class="form">
13     <label
14       for="birthday">Enter you
15         date of birth</label>
16         <input type="date">
17       </div>
18     </div>
19   </body>
20 </html>
```

Age Calculator

Enter you date of birth

April 2023 ▾

Mo	Tu	We	Th	Fr	Sa	Su
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
1	2	3	4	5	6	7

[Clear](#) [Today](#)

```
index.html X ... 127.0.0.1:5500/index.html
```

```
7 <title>Age Calculator</title>
8 </head>
9 <body>
10 <div class="container">
11   <h1>Age Calculator</h1>
12   <div class="form">
13     <label
14       for="birthday">Enter you
15         date of birth</label>
16         <input type="date"
17           id="birthday"
18           name="birthday">
19         <p id="result">Your age is
20           21 years old</p>
21       </div>
22     </div>
23   </body>
24 </html>
```

Age Calculator

Enter you date of birth

Your age is 21 years old



index.html

```
<!DOCTYPE html>
<html lang="en">
```

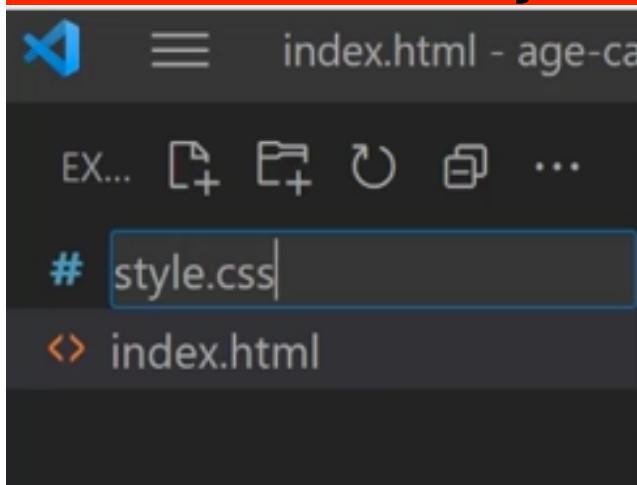
```
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <meta name="viewport"
content="width=device-width, initial-
scale=1.0">
            <title>Age Calculator</title>
            <link rel="stylesheet"
href="style.css">
</head>
<body>
    <div class="container">
        <h1>Age Calculator</h1>
        <div class="form">
            <label for="birthday">Enter you
date of birth</label>
            <input type="date"
id="birthday" name="birthday">
            <button id="btn">Calculate
Age</button>
            <p id="result">Your age is 21
years old</p>
        </div>
```

```
</div>

<script src="index.js"></script>
</body>
</html>
```

CSS

create new file style.css



we have to link the css file in the html code

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Age Calculator</title>
    link
```

link

link:atom

link:css

link:favicon

...

Emmet Abbreviation

<link rel="stylesheet" href="|">

```
index.html X # style.css ...  
1 <!DOCTYPE html>  
2 <html lang="en">  
3 <head>  
4     <meta charset="UTF-8">  
5     <meta http-equiv="X-UA-Compatible"  
6         content="IE=edge">  
7     <meta name="viewport"  
8         content="width=device-width,  
9             initial-scale=1.0">  
10    <title>Age Calculator</title>  
11    <link rel="stylesheet" href="style.  
12        css">  
13    </head>  
14 <body>
```

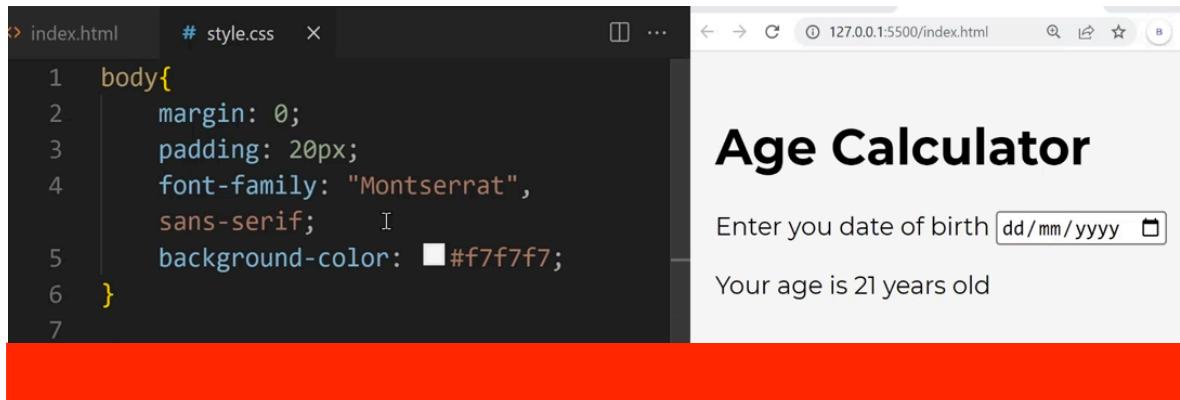
remove the left margin

```
index.html # style.css ... ① 127.0.0.1:5500/index.html ⌂ ⌂  
1 body{  
2     margin: 0;  
3 }  
4
```

Age Calculator

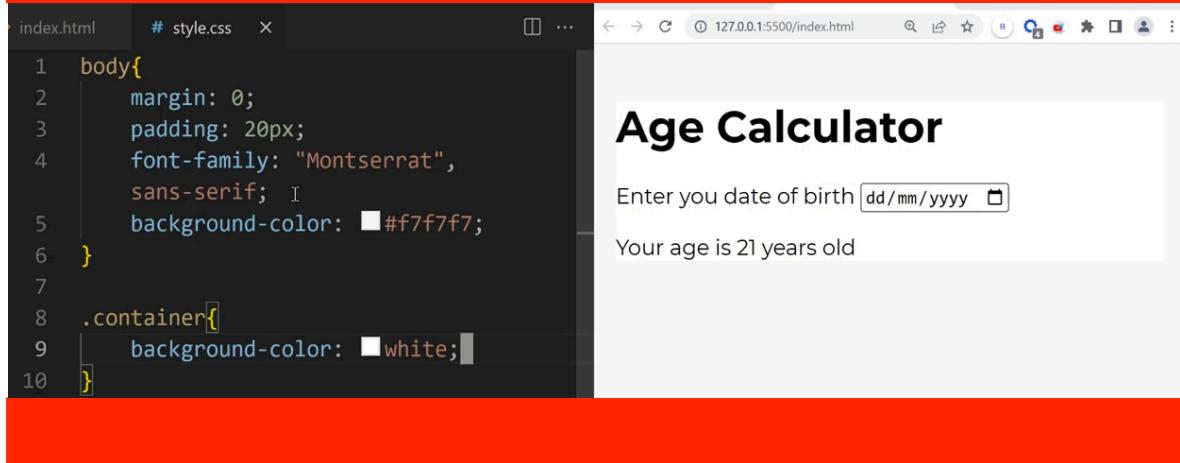
Enter your date of birth

Your age is 21 years old



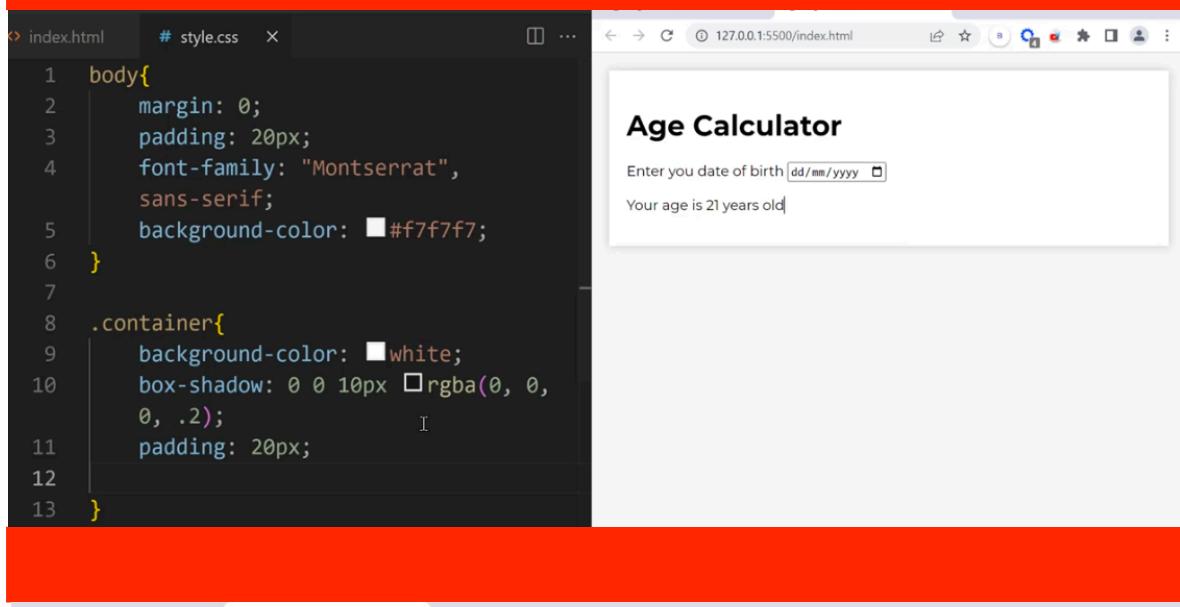
```
index.html # style.css ... 127.0.0.1:5500/index.html
```

```
1 body{  
2     margin: 0;  
3     padding: 20px;  
4     font-family: "Montserrat",  
5     sans-serif;    I  
6     background-color: ■#f7f7f7;  
7 }
```



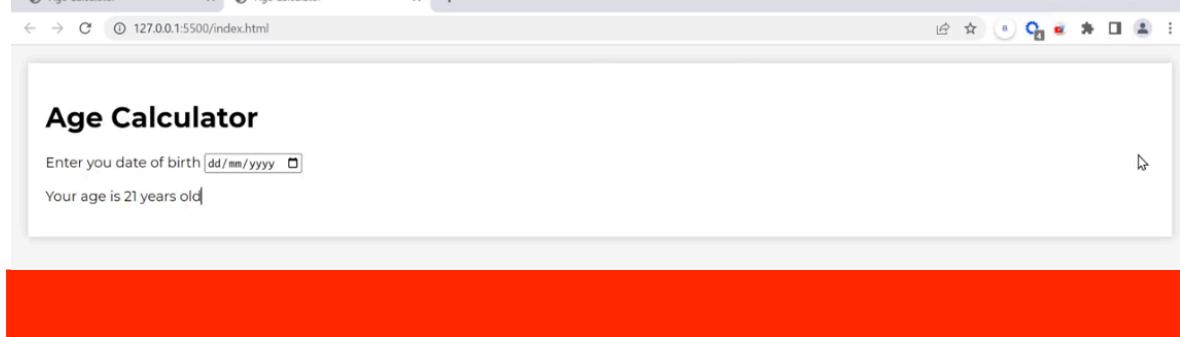
```
index.html # style.css ... 127.0.0.1:5500/index.html
```

```
1 body{  
2     margin: 0;  
3     padding: 20px;  
4     font-family: "Montserrat",  
5     sans-serif;    I  
6     background-color: ■#f7f7f7;  
7 }  
8 .container{  
9     background-color: ■white;  
10 }
```



```
index.html # style.css ... 127.0.0.1:5500/index.html
```

```
1 body{  
2     margin: 0;  
3     padding: 20px;  
4     font-family: "Montserrat",  
5     sans-serif;  
6     background-color: ■#f7f7f7;  
7 }  
8 .container{  
9     background-color: ■white;  
10    box-shadow: 0 0 10px ■rgba(0, 0,  
11    0, .2);  
12    padding: 20px;  
13 }
```



```
Age Calculator Age Calculator 127.0.0.1:5500/index.html
```

```
Age Calculator
```

```
Enter you date of birth dd/mm/yyyy
```

```
Your age is 21 years old
```

```
1 body{  
2     margin: 0;  
3     padding: 20px;  
4     font-family: "Montserrat",  
5     sans-serif;  
6     background-color: #f7f7f7;  
7 }  
8 .container{  
9     background-color: white;  
10    box-shadow: 0 0 10px rgba(0, 0,  
11    0, .2);  
12    padding: 20px;  
13    max-width: 600px;  
14 }
```

600px

Age Calculator 127.0.0.1:5500/index.html

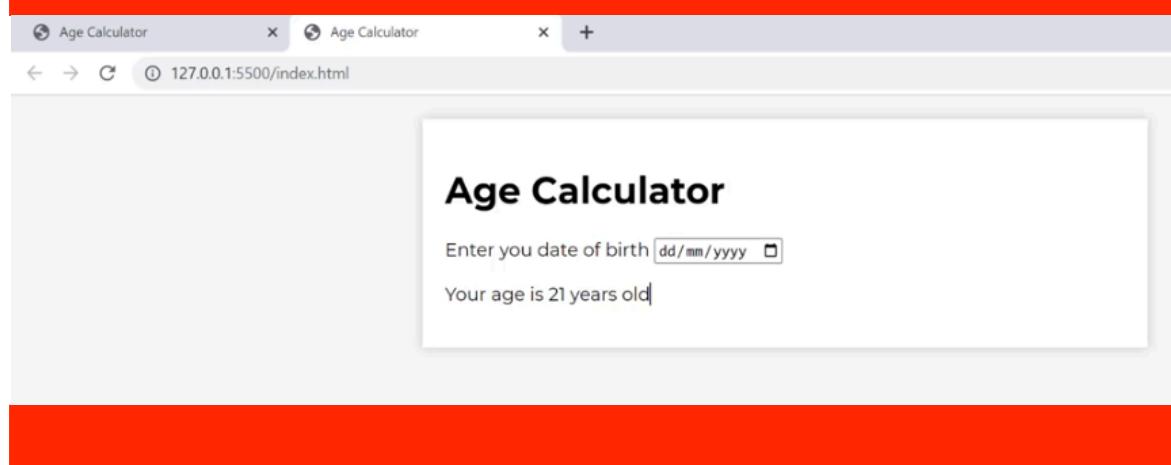
Age Calculator

Enter your date of birth

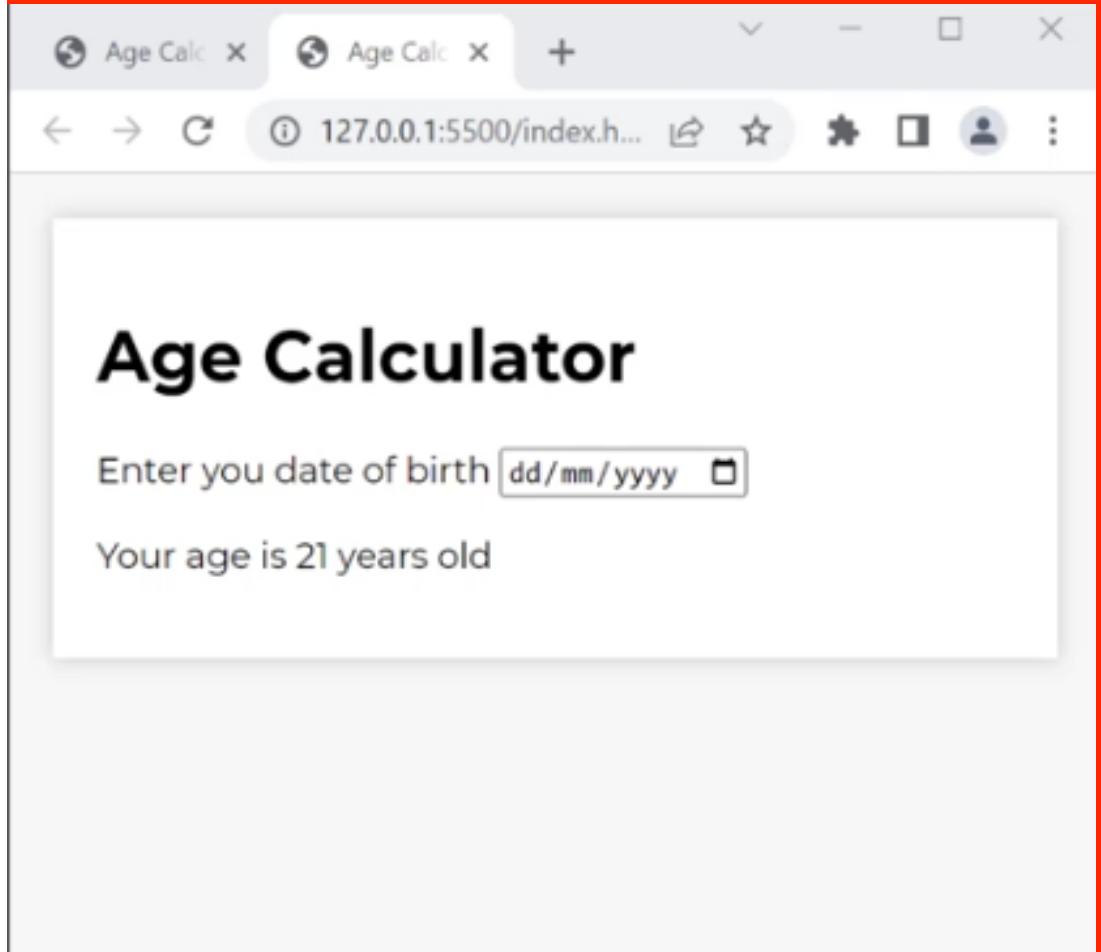
Your age is 21 years old

margin : 0 for top and bottom

```
index.html # style.css X
1 body{
2     margin: 0;
3     padding: 20px;
4     font-family: "Montserrat",
5     sans-serif;
6     background-color: #f7f7f7;
7 }
8 .container{
9     background-color: white;
10    box-shadow: 0 0 10px rgba(0, 0,
11    0, .2);
12    padding: 20px;
13    max-width: 600px;
14    margin: 0 auto;
15 }
```



it will show in the centre, even in the small screen



adding border radius of 5px

```
body {
    font-family: sans-serif;
    background-color: #f7f7f7;
}

.container {
    background-color: white;
    box-shadow: 0 0 10px rgba(0, 0, 0, .2);
    padding: 20px;
    max-width: 600px;
    margin: 0 auto;
    border-radius: 5px;
}
```

h1 tag

A screenshot of a code editor and a browser window. The code editor shows a file named 'style.css' with the following CSS:

```
h1{
    font-size: 36px;
    text-align: center;
    margin-top: 0;
    margin-bottom: 20px;
}
```

The browser window shows a simple 'Age Calculator' application. The title is 'Age Calculator'. It has a text input field labeled 'Enter your date of birth' with the placeholder 'dd/mm/yyyy'. Below the input field, the text 'Your age is 21 years old' is displayed.

form

A screenshot of a code editor and a browser window. The code editor shows a file named 'style.css' with the following CSS:

```
.form{
    display: flex;
    flex-direction: column;
    align-items: center;
}
```

The browser window shows the same 'Age Calculator' application as before, but the styling is different. The text input field is now centered vertically within its container, and the overall layout is more compact.

label

A screenshot of a code editor and a browser window. The code editor shows a file named 'style.css' with the following CSS:

```
label{
    font-weight: bold;
    margin-bottom: 10px;
}
```

The browser window shows the 'Age Calculator' application again. The label 'Enter your date of birth' is now bolded. The overall layout remains similar to the previous screenshot.

The screenshot shows a code editor on the left displaying the CSS file 'style.css' with the following code:

```
31  label{  
32      font-weight: bold;  
33      margin-bottom: 10px;  
34  }  
35  
36  input{  
37      padding: 8px;  
38      border: 1px solid #ccc;  
39      border-radius: 5px;  
40      width: 100%;  
41      max-width: 300px;  
42  }  
43
```

To the right, a browser window displays the 'Age Calculator' application. The title bar says 'Age Calculator'. The page contains the text 'Enter you date of birth' above a date input field ('dd/mm/yyyy'). Below the input field, the text 'Your age is 21 years old' is displayed.

adding button in index.html

The screenshot shows the code editor on the left displaying the 'index.html' file with the following code:

```
10  <body>  
11      <div class="container">  
12          <h1>Age Calculator</h1>  
13          <div class="form">  
14              <label  
15                  for="birthday">Enter you  
16                      date of birth</label>  
17              <input type="date"  
18                  id="birthday"  
19                  name="birthday">  
20              <button>Calculate Age</button>  
21      </div>  
22      <p id="result">Your age is  
23          21 years old</p>  
24  </body>  
25  </html>
```

The code includes a 'Calculate Age' button and a 'result' paragraph. To the right, a browser window displays the 'Age Calculator' application. The title bar says 'Age Calculator'. The page contains the text 'Enter you date of birth' above a date input field ('dd/mm/yyyy'). Below the input field, there is a 'Calculate Age' button. Below the button, the text 'Your age is 21 years old' is displayed.

padding: 10px 20px (top and bottom, left and right)

The code editor shows the following CSS:

```
40    width: 100%;  
41    max-width: 300px;  
42  
43 }  
44  
45 button{  
46    background-color: #007bff;  
47    color: white;  
48    border: none;  
49    padding: 10px 20px;  
50    border-radius: 5px;  
51    margin-top: 10px;  
52    cursor: pointer;  
53    -  
54 }
```

The browser screenshot shows an "Age Calculator" form. It has a date input field, a "Calculate Age" button, and a message area stating "Your age is 21 years old". The button has a padding of 10px top/bottom and 20px left/right.

transition on the button, and hover over the button

The code editor shows the following CSS:

```
49    border-radius: 5px;  
50    margin-top: 10px;  
51    cursor: pointer;  
52    transition: background-color .3s  
      ease;  
53  
54 }  
55  
56  
57 button:hover{  
58    background-color: #0062cc;  
59 }
```

The browser screenshot shows the same "Age Calculator" form. The button now has a smooth transition effect where it changes color from blue to dark blue when hovered over.

targeting id of the result

The code editor shows the following CSS:

```
57  
58 #result {  
59   margin-top: 20px;  
60   font-size: 24px;  
61   font-weight: bold;  
62 }  
63
```

The browser screenshot shows the same "Age Calculator" form. The message "Your age is 21 years old" is displayed in a large, bold, black font below the button.

style.css

```
body {
  margin: 0;
  padding: 20px;
  font-family: "Montserrat", sans-serif;
  background-color: #f7f7f7;
}

.container {
  background-color: white;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.2);
  padding: 20px;
  max-width: 600px;
  margin: 0 auto;
  border-radius: 5px;
  margin-top: 50px;
}

h1 {
  font-size: 36px;
  text-align: center;
  margin-top: 0;
```

```
    margin-bottom: 20px;
}

.form {
  display: flex;
  flex-direction: column;
  align-items: center;
}

label {
  font-weight: bold;
  margin-bottom: 10px;
}

input {
  padding: 8px;
  border: 1px solid #ccc;
  border-radius: 5px;
  width: 100%;
  max-width: 300px;
}

button {
  background-color: #007bff;
```

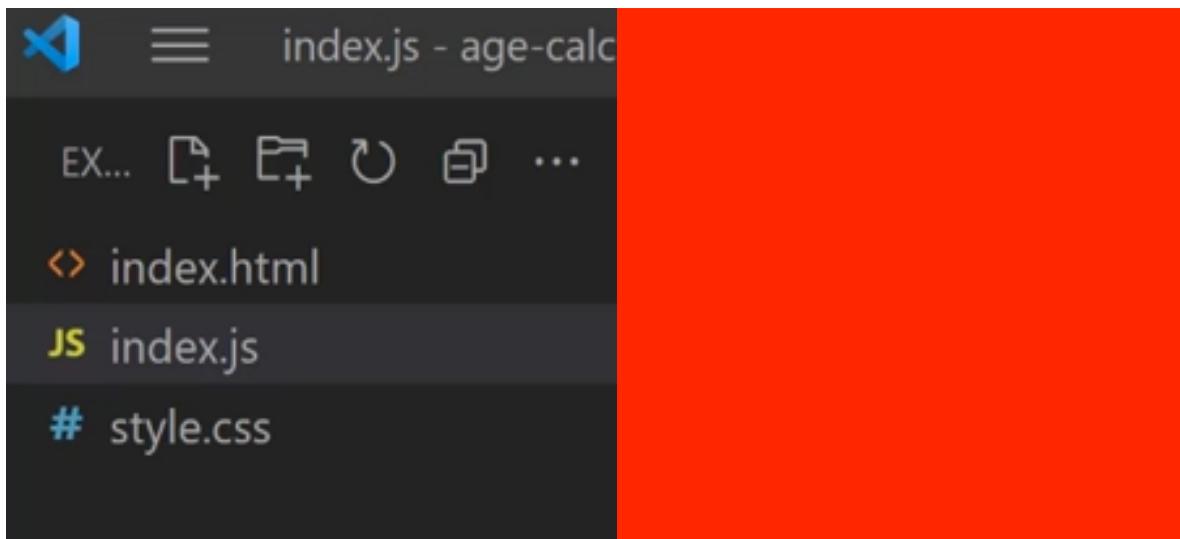
```
color: white;  
border: none;  
padding: 10px 20px;  
border-radius: 5px;  
margin-top: 10px;  
cursor: pointer;  
transition: background-color 0.3s  
ease;  
}  
  
button:hover {  
background-color: #0062cc;  
}
```

```
#result {  
margin-top: 20px;  
font-size: 24px;  
font-weight: bold;  
}
```

Javascript

=====

create new file index.js



adding index.js script file in index.html

```
index.html X index.js ...
```

```
14 <label  
for="birthday">Enter your  
date of birth</label>  
15 <input type="date"  
id="birthday"  
name="birthday">  
16 <button>Calculate Age</  
button>  
17 <p id="result">Your age is  
21 years old</p> I  
18 </div> T  
19 </div> T  
20  
21 <script src="index.js"></script> I  
22 </body> T  
23 </html>
```

The screenshot shows the 'index.html' file open in VS Code. The code includes a form for entering a birthday, a calculate button, and a result paragraph. A new line 21 has been added, containing a script tag with 'src="index.js"'. The cursor is positioned after the closing 'script' tag. The file tab for 'index.html' has a yellow JS icon, indicating it contains JavaScript code.

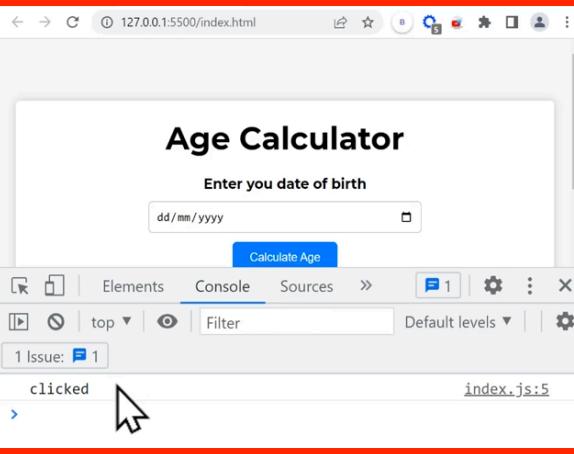
creating id for the button

```
index.html  JS index.js

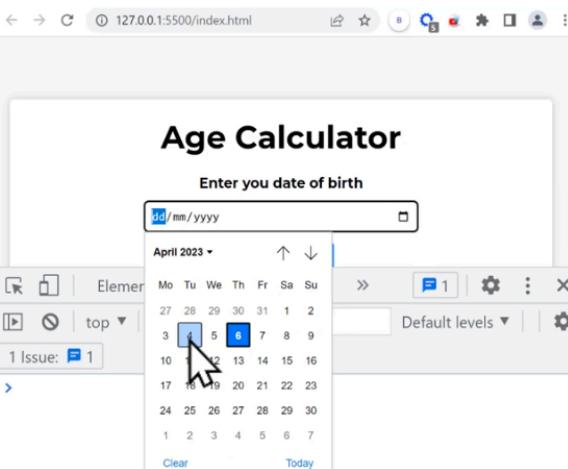
14      <label
15          for="birthday">Enter your
16              date of birth</label>
17      <input type="date"
18          id="birthday"
19          name="birthday">
20      <button id="btn">Calculate
21          abc button
22      <p id="result">Your age is
23          21 years old</p>
24      </div>
25      </div>
26
27      <script src="index.js"></script>
28  </body>
29  </html>
```

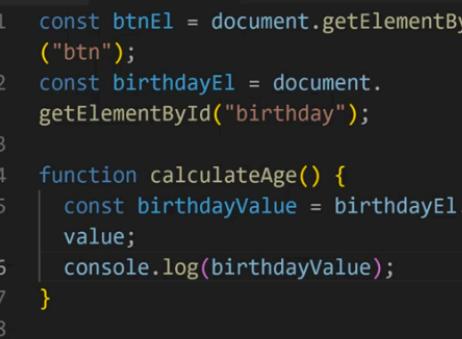
writing event listener to the button

```
index.html  JS index.js
1 const btnEl = document.getElementById
2     ("btn")
3
4 function calculateAge(){
5     console.log("clicked");
6 }
7
8 btnEl.addEventListener("click",
9     calculateAge)
```



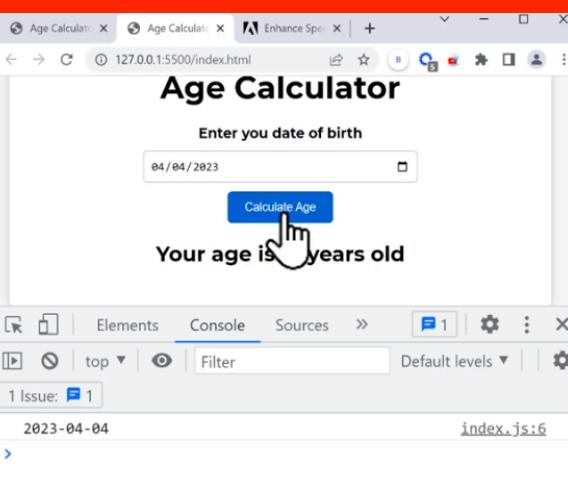
```
index.html    JS index.js    X    ...  
1 const btnEl = document.getElementById("btn");  
2 const birthdayEl = document.getElementById("birthday");  
3  
4 function calculateAge() {  
5     const birthdayValue = birthdayEl.value;  
6     console.log(birthdayValue);  
7 }  
8  
9 btnEl.addEventListener("click", calculateAge);  
10
```





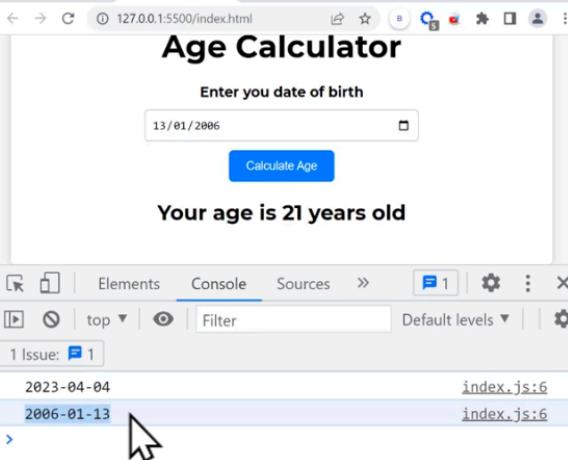
The screenshot shows a Visual Studio Code interface with two tabs open: 'index.html' and 'index.js'. The 'index.js' tab is active, displaying the following code:

```
1 const btnEl = document.getElementById("btn");
2 const birthdayEl = document.getElementById("birthday");
3
4 function calculateAge() {
5     const birthdayValue = birthdayEl.value;
6     console.log(birthdayValue);
7 }
8
9 btnEl.addEventListener("click", calculateAge);
```



try with different dates

```
index.html    JS index.js  X  ...  
1 const btnEl = document.getElementById("btn");  
2 const birthdayEl = document.getElementById("birthday");  
3  
4 function calculateAge() {  
5   const birthdayValue = birthdayEl.  
value;  
6   console.log(birthdayValue);  
7 }  
8  
9 btnEl.addEventListener("click",  
calculateAge);  
10
```



show alert , if there is empty string in

the birthday

The screenshot shows the Visual Studio Code interface with two files open: index.html and index.js. The index.js file contains the following code:

```
1 const btnEl = document.getElementById("btn");
2 const birthdayEl = document.getElementById("birthday");
3
4 function calculateAge() {
5     const birthdayValue = birthdayEl.value;
6     if(birthdayValue === ""){
7         alert("Please enter your birthday")
8     }
9 }
10
11 btnEl.addEventListener("click", calculateAge);
12
```

To the right, a browser window displays the output of the code. It shows a modal dialog with the message "127.0.0.1:5500 says Please enter your birthday". Below the modal, the text "Your age is 21 years old" is displayed. A cursor is hovering over the "ok" button of the modal.

current date from the browser

The screenshot shows the Visual Studio Code interface with two files open: index.html and index.js. The index.js file contains the following code:

```
8 } else {
9     const age = getAge(birthdayValue);
10 }
11
12 function getAge(birthdayValue) {
13     const currentDate = new Date();
14     console.log(currentDate);
15 }
16
17 btnEl.addEventListener("click", calculateAge);
18
```

To the right, a browser window titled "Age Calculator" displays the input field "Enter you date of birth" with the value "04/04/2023". Below the input field is the text "Your age is 21 years old". A cursor is hovering over the "Calculate Age" button. The browser's developer tools console shows the current date: "Thu Apr 06 2023 11:25:46 GMT+0700 (Indochina Time)" and the file path "index.js:15".

getting current year

The screenshot shows the Visual Studio Code interface with two files open: index.html and index.js. The index.js file contains the following code:

```
8 } else {
9     const age = getAge(birthdayValue);
10 }
11
12 function getAge(birthdayValue) {
13     const currentDate = new Date();
14     console.log(currentDate.getFullYear());
15 }
16
17 btnEl.addEventListener("click", calculateAge);
18
```

To the right, a browser window titled "Age Calculator" displays the input field "Enter you date of birth" with the value "27/02/2023". Below the input field is the text "Your age is 21 years old". A cursor is hovering over the "Calculate Age" button. The browser's developer tools console shows the current year: "2023" and the file path "index.js:15".

```
index.html    JS index.js    ...
8 } else {
9     const age = getAge(birthdayValue);
10 }
11 }
12
13 function getAge(birthdayValue) {
14     const currentDate = new Date();
15     const birthdayDate = new Date
16         (birthdayValue);
17     console.log(birthdayDate.getFullYear
18 ());
19 }
20
21 btnEl.addEventListener("click",
22 calculateAge);
```

```
index.html    JS index.js    ...
8 } else {
9     const age = getAge(birthdayValue);
10 }
11 }
12
13 function getAge(birthdayValue) {
14     const currentDate = new Date();
15     const birthdayDate = new Date
16         (birthdayValue);
17     console.log(birthdayDate.getFullYear
18 ());
19 }
20
21 btnEl.addEventListener("click",
22 calculateAge);
```

```
index.html    JS index.js    ...
8 } else {
9     const age = getAge(birthdayValue);
10 }
11 }
12
13 function getAge(birthdayValue) {
14     const currentDate = new Date();
15     const birthdayDate = new Date
16         (birthdayValue);
17     const age = currentDate.getFullYear
18 () - birthdayDate.getFullYear();
19     console.log(age);
20 }
21
22 btnEl.addEventListener("click",
23 calculateAge);
```

we have to calculate the month also,

```
index.html    JS index.js  X  ...  
17     () - birthdayDate.getFullYear();  
18     const month = currentDate.getMonth()  
19     - birthdayDate.getMonth();  
20  
21     if (  
22         month < 0 ||  
23         (month === 0 && currentDate.getDate()  
24         () < birthdayDate.getDate())  
25     ) {  
26         age--;  
27     }  
28  
29     return age;  
30 }  
31  
32 btnEl.addEventListener("click",  
33 calculateAge);
```

index.html JS index.js ...

```
3
4 function calculateAge() {
5   const birthdayValue = birthdayEl.
6     value;
7   if (birthdayValue === "") {
8     alert("Please enter your
9       birthday");
10  } else {
11    const age = getAge(birthdayValue);
12    console.log(age);
13  }
14}
15function getAge(birthdayValue) {
16  const currentDate = new Date();
17  const birthdayDate = new Date
(birthdayValue);
18  const age = currentDate.getFullYear()
```

127.0.0.1:5500/index.html

Age Calculator

Enter you date of birth

06/01/2012

Calculate Age

Your age is 21 years old

Elements Console Sources ...

1 Issue: 1

index.js:10

index.html JS index.js ...

```
3
4 function calculateAge() {
5   let birthdayValue = birthdayEl.
6     value;
7   if (birthdayValue === "") {
8     alert("Please enter your
9       birthday");
10  } else {
11    const age = getAge(birthdayValue);
12    console.log(age);
13  }
14}
15function getAge(birthdayValue) {
16  const currentDate = new Date();
17  const birthdayDate = new Date
(birthdayValue);
18  const age = currentDate.getFullYear()
```

127.0.0.1:5500/index.html

Age Calculator

Enter you date of birth

06/05/2012

Calculate Age

Your age is 21 years old

Elements Console Sources ...

1 Issue: 1

index.js:10

✖ Uncaught TypeError: Assignment to constant variable.
at getAge (index.js:24:8)
at HTMLButtonElement.calculateAge (index.js:9:17)

we have to use let here, not const

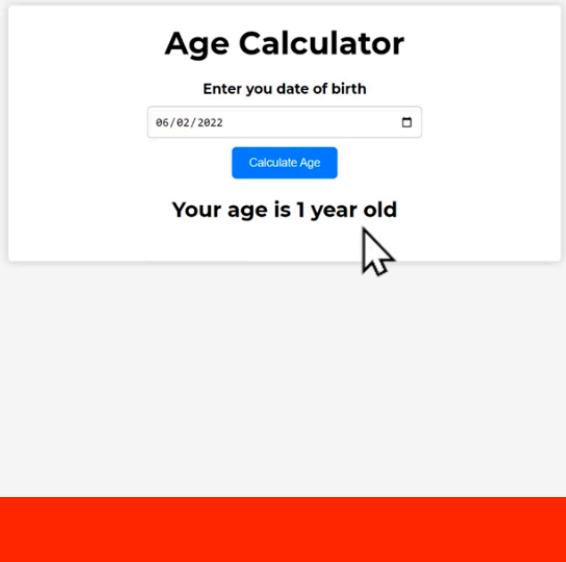
A screenshot of a code editor interface, likely VS Code, showing a file named 'index.js'. The code is a function named 'getAge' that calculates a person's age based on their birthday. A completion dropdown menu is open at the bottom of the editor, showing suggestions for the word 'let'.

```
14  function getAge(birthdayValue) {  
15    const currentDate = new Date();  
16    const birthdayDate = new Date  
17      (birthdayValue);  
18    let age = currentDate.getFullYear()  
19      .toString().length;  
20      if (month < 0 ||  
21        (month === 0 && currentDate.getDate()  
22          < birthdayDate.getDate()))  
23    ) {  
24      age--;  
25    }  
26  
27    return age;
```

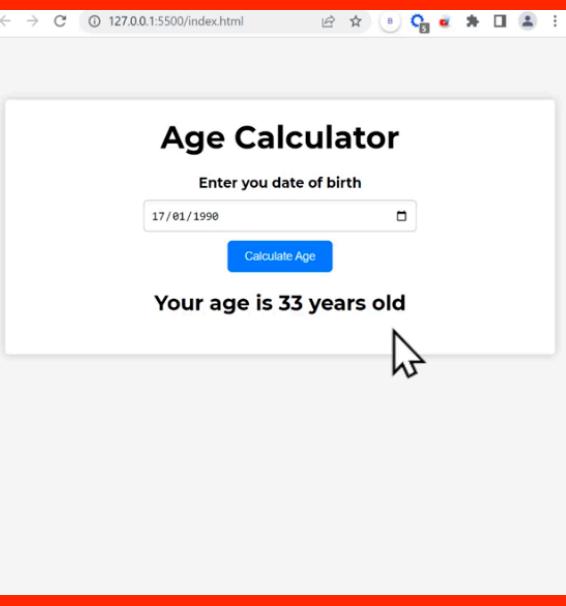
The completion dropdown shows the following suggestions:

- [>] let
- [>] length
- [>] ByteLengthQueuingStrategy
- [>] screenLeft

```
index.html      JS index.js      ...  
14  function getAge(birthdayValue) {  
15    const currentDate = new Date();  
16    const birthdayDate = new Date  
17      (birthdayValue);  
18    let age = currentDate.getFullYear()  
19      - birthdayDate.getFullYear();  
20    const month = currentDate.getMonth()  
21      - birthdayDate.getMonth();  
22  
23    if (  
24      month < 0 ||  
25      (month === 0 && currentDate.getDate()  
26      () < birthdayDate.getDate())  
27    ) {  
28      age--;  
29    }  
30  
31    return age;  
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```
index.html      JS index.js      ...      < → C ① 127.0.0.1:5500/index.html
5 function calculateAge() {
6   const birthdayValue = birthdayEl.
7   value;
8   if (birthdayValue === "") {
9     alert("Please enter your
10    birthday");
11   } else {
12     const age = getAge(birthdayValue);
13     resultEl.innerText = `Your age is $ {age} ${age > 1 ? "years" :
14     "year"} old`;
15   }
16
17   function getAge(birthdayValue) {
18     const currentDate = new Date();
19     const birthdayDate = new Date
20       (birthdayValue);
```



```
index.html      JS index.js      ...      < → C ① 127.0.0.1:5500/index.html
5 function calculateAge() {
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12     const age = getAge(birthdayValue);
13     resultEl.innerText = `Your age is $ {age} ${age > 1 ? "years" :
14     "year"} old`;
15   }
16
17   function getAge(birthdayValue) {
18     const currentDate = new Date();
19     const birthdayDate = new Date
20       (birthdayValue);
```

index.js

```
const btnEl =
document.getElementById("btn");
const birthdayEl =
document.getElementById("birthday");
const resultEl =
```

```
document.getElementById("result");

function calculateAge() {
  const birthdayValue =
  birthdayEl.value;
  if (birthdayValue === "") {
    alert("Please enter your birthday");
  } else {
    const age = getAge(birthdayValue);
    resultEl.innerText = `Your age is $ {age} ${age > 1 ? "years" : "year"} old`;
  }
}

function getAge(birthdayValue) {
  const currentDate = new Date();
  const birthdayDate = new
  Date(birthdayValue);
  let age = currentDate.getFullYear() -
  birthdayDate.getFullYear();
  const month = currentDate.getMonth()
  - birthdayDate.getMonth();

  if (
```

```
month < 0 ||  
(month === 0 &&  
currentDate.getDate() <  
birthdayDate.getDate())  
) {  
    age--;  
}  
  
return age;  
}  
  
btnEl.addEventListener("click",  
calculateAge);
```