

Hands on
Day 5

Javascript Basics

Joke generator using HTML, Java and CSS

Code:

practice.html

```
<!DOCTYPE html>
```

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

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Hands On Day 3</title>
```

```
  <script src="practice1.js"></script>
```

```
</head>
```

```
<style>
```

```
  iframe{
```

```
    animation: gradient 5s ease infinite;
```

```
    background: linear-gradient(-45deg, #ff6ec4, #7873f5, #66ffe7, #fddb92);
```

```
    background-size: 400% 400%;
```

```
  }
```

```
  @keyframes gradient {
```

```
    0% { background-position: 0% 50%; }
```

```
    50% { background-position: 100% 50%; }
```

```
    100% { background-position: 0% 50%; }
```

```
  }
```

```
</style>
```

```
<body>

<div id=container1>

</div>

<div id="action">

    <button id="click" onclick="Display()">Click me!</button>

</div>

<div id="jokes">

    <iframe id="myframe" style="width:80% height=200px;border: 2px solid";></iframe>

</div>

</body>

</html>
```

Practice1.js

Code:

```
const Jokes=[

    {

        joke:"Why don't skeletons fight each other? Because they don't have the guts."

    },

    {

        joke: "Why did the scarecrow win an award?Because he was outstanding in his field!"

    },

    {

        joke:"Why did the bicycle fall over?It was two-tired."

    },

    {

        joke:"What do you call fake spaghetti?An impasta."

    },

    },

]
```

```

{
  joke:"Why can't your nose be 12 inches long?Because then it would be a foot."
},
{
  joke:"What do you get when you cross a snowman and a dog?Frostbite."
},
{
  joke:"Parallel lines have so much in common...It's a shame they'll never meet."
},
{
  joke:"What's orange and sounds like a parrot?A carrot."
},
{
  joke:"I told my wife she was drawing her eyebrows too high.She looked surprised."
},
{
  joke:"Why did the coffee file a police report?It got mugged."
}
]

function Display(){
  const randind= Math.floor(Math.random() * Jokes.length);
  const joke1= Jokes[randind].joke;
  const frame = document.getElementById("myframe");
  const frameDoc = frame.contentDocument || frame.contentWindow.document;

  frameDoc.open();

  frameDoc.write(`<body style="font-family: sans-serif; padding: 10px;"> 😊 Smile:
${joke1}</body>`);

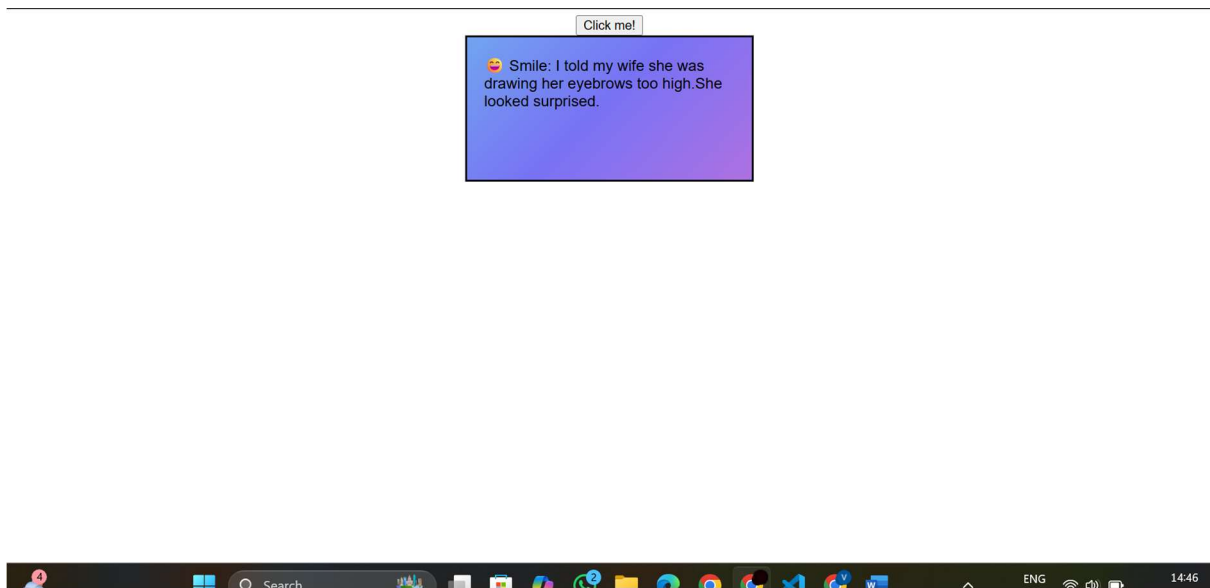
```

```
frameDoc.close();
```

```
}
```

=====

Snapshot:



Calc.html :

Code

```
<!DOCTYPE html>
```

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

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Document</title>
```

```
  <script src="Mathop.js">
```

```
</script>
```

```

<script>
    let counter=0;
    function Count(){
        counter++;
        document.getElementById("count").innerHTML="<h2>Count is:" +counter;
        console.log(counter);
    }
</script>
</head>
<body>
    <label for="num1">Enter the first number:</label>
    <input type="number" id="num1"/> <br>
    <label for="num2">Enter the second number:</label>
    <input type="number" id="num2"/>
    <button onclick="MathOp()">Calculate</button>
    <p id="res">Result:</p>
    <p id="count">Count is:</p>
    <button onclick="Count()">Count</button>

</body>
</html>

```

```
=====
```

Mathop.js

```

function MathOp(){
    let a=parseInt(document.getElementById("num1").value);
    let b=parseInt(document.getElementById("num2").value);
    // let sum=a+b;

```

```
// document.getElementById("res").innerText="Sum is:"+sum

let choice = parseInt(prompt("Enter the operation that you want to
perform\n1.Add\n2.Subtract\n3.Multiply\n4.Division"));

switch(choice)
{
    case 1:
        add(a,b);
        break;
    case 2:
        subtract(a,b);
        break;
    case 3:
        multiply(a,b);
        break;
    case 4:
        divide(a,b);
        break;
    default:
        alert("Enter a valid option:")

}

}

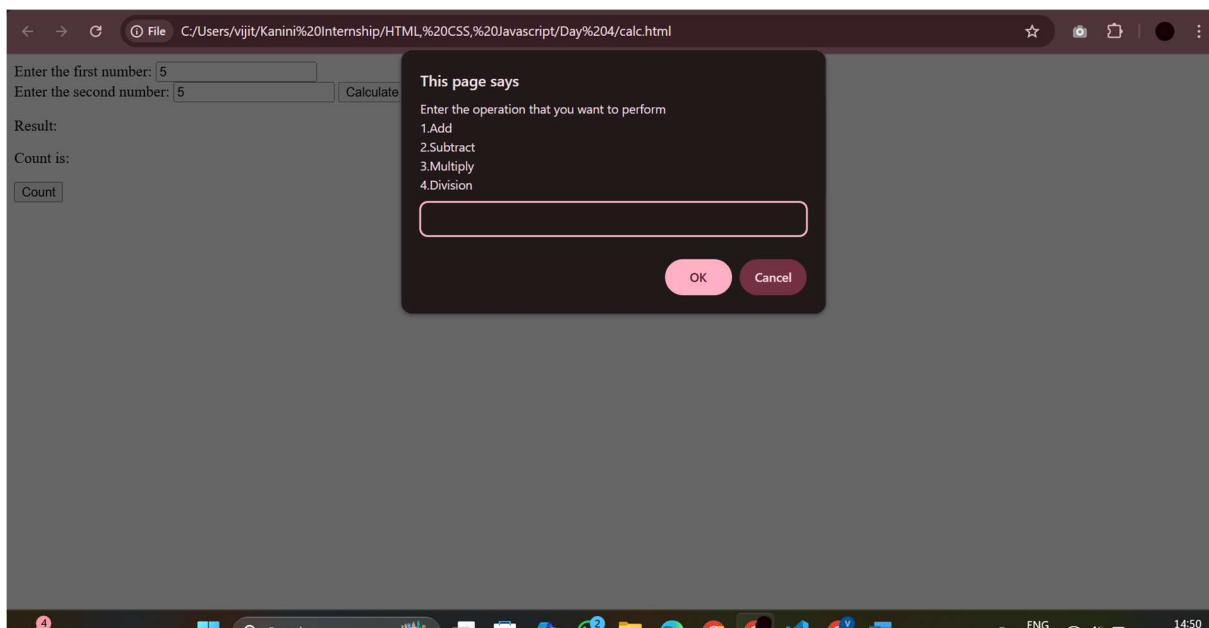
function add(a,b){
    console.log(a+b);

}

function subtract(a,b){
    document.getElementById("res").innerHTML = "<h1>Result is:</h1>" +(a-b);
```

```
}  
  
function multiply(a,b){  
    alert(a*b);  
  
}  
  
function divide(a,b){  
    document.writeln(a/b);  
  
}
```

Snapshot:



JSintro.html

Code:

```
<!DOCTYPE html>  
  
<html lang="en">  
  
<head>  
  
    <meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>JS Intro</title>
<script src="samp.js">
    let msg="Welcome to javascript"
    function Show()
    {
        alert(msg);
    }
</script>
</head>
<body>
    <h3> Calculate</h3>
    <label for="pname"> Product Name</label>
    <input type="text " id="pname">
    <label for="price"> Unit Price</label>
    <input type="text " id="price">
    <label for="qty"> Quantity</label>
    <input type="text " id="qty">
    <button onclick="calculate()">Calculate</button>
    <p id="total"> Total:</p>
</body>
</html>
```

samp.js

Code:

```
function calculate()
{
    let proname = document.getElementById("pname").value;
    let proprice= document.getElementById("price").value;
```



```
let qty= document.getElementById("qty").value;

let total= qty * proprice;

console.log(total);

document.getElementById("total").innerText = "Total bill amount:"+total.toFixed(2);

}
```

Calculate

Product Name Unit Price Quantity

Total bill amount:100.00

