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3 minutes ago

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README.md



Ex.08 Design of a Standard Calculator

Date : 31-10-2023

AIM:

To design a web application for a standard calculator with minimum five operations.

DESIGN STEPS:

Step 1:

Clone the github repository and create Django admin interface.

Step 2:

Change settings.py file to allow request from all hosts.

Step 3: [↗](#)

Use CSS for creating attractive colors.

Step 4: [↗](#)

Write JavaScript program for implementing five different operations.

Step 5: [↗](#)

Validate the HTML and CSS code.

Step 6: [↗](#)

Publish the website in the given URL.

PROGRAM : [↗](#)

```
<html>
<head>
  <title>Simple Calculator</title>
  <style>
    body {
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
      margin: 0;
    }
    h1{
      text-align: center;
      font-family: 'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande', 'Lu
    }

    #calculator-container {
      background-color: #f0f0f0;
      padding: 20px;
      border-radius: 10px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.2);
    }

    input[type="text"] {
      width: 100%;
      padding: 10px;
      margin: 5px;
      color: black;
      border-radius: 10px;
    }

    table {
      margin-top: 20px;
```



```

    }

    button {
        padding: 30px;
        font-size: 20px;
    }

    /* Define colors for operators */
    button[data-operator="+"] {
        background-color:darkslategrey;
    }

    button[data-operator="-"] {
        background-color: darkslategrey;
    }

    button[data-operator="*"] {
        background-color: darkslategrey;
    }

    button[data-operator="/"] {
        background-color: darkslategrey;
    }

    button[data-operator="%"] {
        background-color:darkolivegreen;
    }

    button[data-operator="sqrt"] {
        background-color: #9900cc;
    }
</style>
</head>
<body>
    <div id="calculator-container">
        <h1>CALCULATOR</h1>
        <input type="text" id="display" readonly>
        <table>
            <tr>
                <td><button onclick="appendToDisplay('1')">1</button></td>
                <td><button onclick="appendToDisplay('2')">2</button></td>
                <td><button onclick="appendToDisplay('3')">3</button></td>
                <td><button data-operator="+" onclick="appendToDisplay('+)" style="
            </tr>
            <tr>
                <td><button onclick="appendToDisplay('4')">4</button></td>
                <td><button onclick="appendToDisplay('5')">5</button></td>
                <td><button onclick="appendToDisplay('6')">6</button></td>
                <td><button data-operator="-" onclick="appendToDisplay('-)" style="
            </tr>
            <tr>
                <td><button onclick="appendToDisplay('7')">7</button></td>
                <td><button onclick="appendToDisplay('8')">8</button></td>
                <td><button onclick="appendToDisplay('9')">9</button></td>

```

```

        <td><button data-operator="*" onclick="appendToDisplay('*')" style="
    </tr>
    <tr>
        <td><button onclick="appendToDisplay('0')">0</button></td>
        <td><button data-operator="%" onclick="appendToDisplay('%)">%</butt
        <td><button data-operator="sqrt" onclick="calculateSquareRoot()">√</
        <td><button data-operator="/" onclick="appendToDisplay('/')" style="
    </tr>
    <tr>
        <td><button onclick="clearDisplay()">C</button></td>
        <td><button onclick="appendToDisplay('.')">.</button></td>
        <td><button onclick="appendToDisplay('00')">00</button></td>
        <td><button onclick="calculateResult()">=</button></td>
    </tr>
</table>
</div>
<script>
    function appendToDisplay(value) {
        document.getElementById('display').value += value;
    }

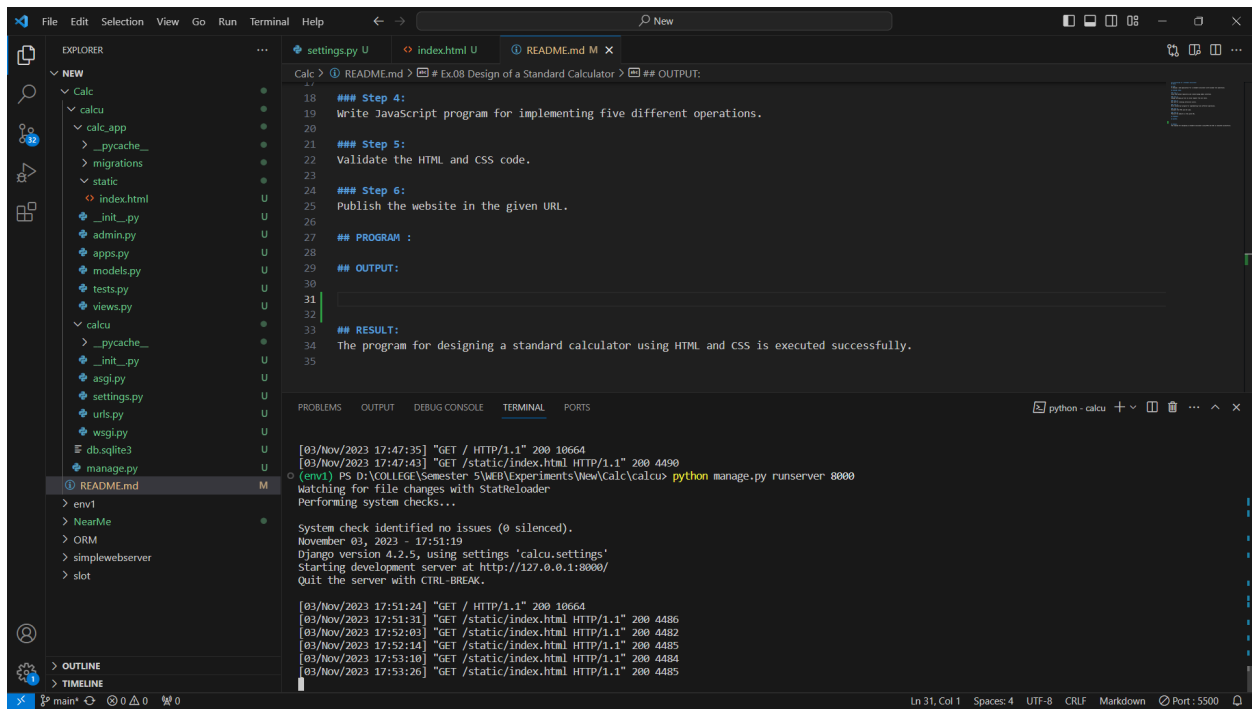
    function clearDisplay() {
        document.getElementById('display').value = '';
    }

    function calculateResult() {
        try {
            document.getElementById('display').value = eval(document.getElementI
        } catch (error) {
            document.getElementById('display').value = 'Error';
        }
    }

    function calculateSquareRoot() {
        const inputValue = document.getElementById('display').value;
        const result = Math.sqrt(parseFloat(inputValue));
        document.getElementById('display').value = result;
    }
</script>
</body>
</html>

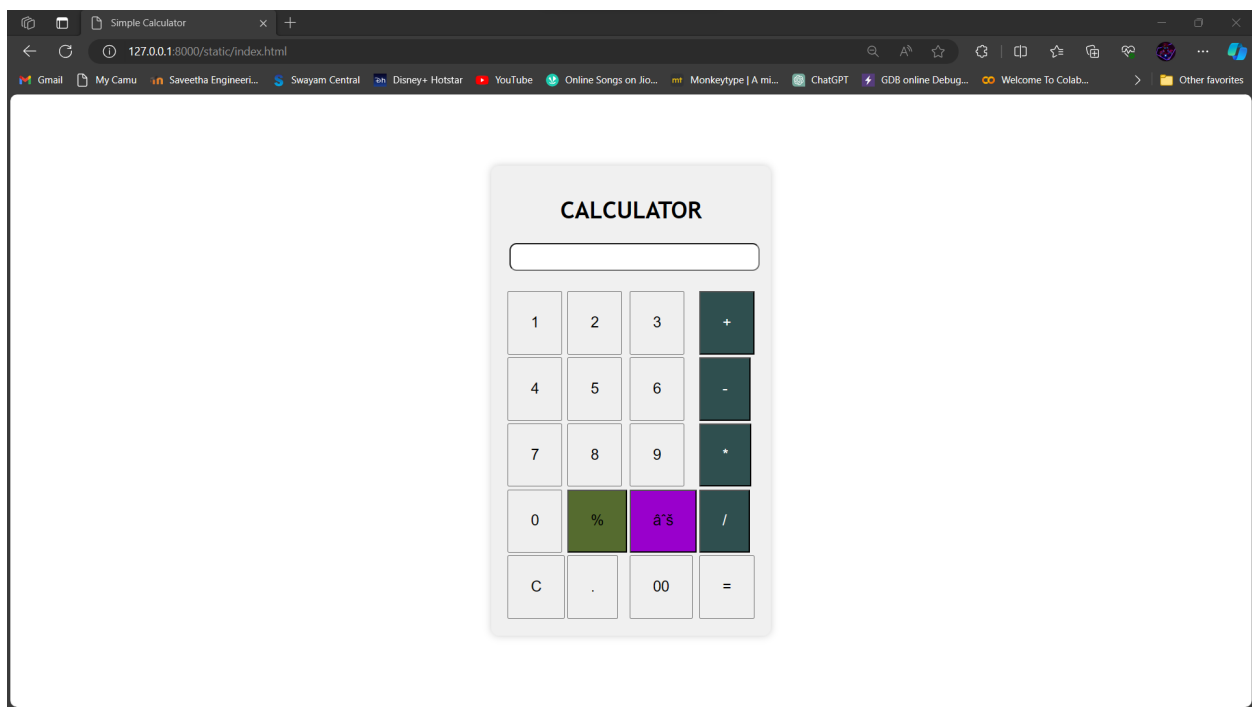
```

OUTPUT: [↗](#)



```
Calc > README.md > # Ex-08 Design of a Standard Calculator > ## OUTPUT:
18  ### Step 4:
19  Write JavaScript program for implementing five different operations.
20
21  ### Step 5:
22  Validate the HTML and CSS code.
23
24  ### Step 6:
25  Publish the website in the given URL.
26
27  ## PROGRAM :
28
29  ## OUTPUT:
30
31
32
33  ## RESULT:
34  The program for designing a standard calculator using HTML and CSS is executed successfully.
35
```

```
[03/Nov/2023 17:47:35] "GET / HTTP/1.1" 200 10664
[03/Nov/2023 17:47:43] "GET /static/index.html HTTP/1.1" 200 4490
(env1) PS D:\COLLEGE\Semester 5\WEB\Experiments\New\Calc\calcul> python manage.py runserver 8000
Watching for file changes with StatReloader
Performing system checks...
System check identified no issues (0 silenced).
November 03, 2023 - 17:51:19
Django version 4.2.5, using settings 'calcul.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
[03/Nov/2023 17:51:24] "GET / HTTP/1.1" 200 10664
[03/Nov/2023 17:51:31] "GET /static/index.html HTTP/1.1" 200 4486
[03/Nov/2023 17:52:03] "GET /static/index.html HTTP/1.1" 200 4482
[03/Nov/2023 17:52:14] "GET /static/index.html HTTP/1.1" 200 4485
[03/Nov/2023 17:53:10] "GET /static/index.html HTTP/1.1" 200 4484
[03/Nov/2023 17:53:26] "GET /static/index.html HTTP/1.1" 200 4485
```



RESULT: [↗](#)

The program for designing a standard calculator using HTML and CSS is executed successfully.

Releases

No releases published

[Create a new release](#)

Packages

No packages published

[Publish your first package](#)

Languages

● Python 57.2% ● HTML 42.8%

Suggested Workflows

Based on your tech stack



Django

Build and Test a Django Project

Configure



SLSA Generic generator

Generate SLSA3 provenance for your existing release workflows

Configure



Python Package using Anaconda

Create and test a Python package on multiple Python versions using Anaconda for package management.

Configure

[More workflows](#)

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