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UNIVERSITY

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GRADE A+
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Mini Project Report - 06

Master of Computer Application – General

Semester – I

Sub: FRONT_END FRAMEWORKS & TECHNOLOGIES

Topic: CSS_CALCULATOR

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LIST OF TABLES

FIG NO	NAME OF TABLE	PG NO
1	INTRODUCTION	3
2	INPUT CODE	4-7
3	OUTPUT CODE	8
4	CONCLUSION	9

INTRODUCTION

This project presents the design of a simple calculator user interface (UI) using HTML and CSS. The main objective is to create a visually appealing calculator layout that resembles a real calculator while focusing only on the design aspect, without any functional JavaScript logic. The layout is structured with a display section to show input values and a grid-based arrangement of buttons for numbers, operators, and special functions.

CSS styling has been applied to enhance the look and feel of the calculator, including background colors, rounded buttons, hover effects, and grid alignment for proper spacing. The design uses modern CSS techniques such as flexbox for centering and CSS grid for organizing buttons systematically. This approach provides a clean, simple, and user-friendly appearance, demonstrating how effective UI design can be achieved through basic web technologies.

INPUT CODE

```
<html>
<head>
  <title>Simple Calculator (UI Only)</title>
</style>
body{
  display:flex;
  justify-content:center;
  align-items:center;
  height:100vh;
  background:#eee;
  font-family:sans-serif;
}
.calc{
  background:#222;
  padding:15px;
  border-radius:10px;
  width:250px;
  color:white;
}
.title{
  background:white;
  color:black;
  text-align:center;
  padding:8px;
```

```
border-radius:5px;
margin-bottom:10px;
font-weight:bold;
}
.display{
background:white;
color:black;
text-align:right;
padding:10px;
font-size:20px;
border-radius:5px;
margin-bottom:10px;
}
.grid{
display:grid;
grid-template-columns:repeat(4,1fr);
gap:5px;
}
button{
height:50px;
font-size:18px;
border:none;
border-radius:50%;
cursor:default;
}
.grey{background:#aaa;}
.dark{background:#333;color:white;}
```

```

    .orange{background:orange;color:white;}
    .zero{grid-column:span 2;border-radius:25px;}
</style>
</head>
<body>
  <div class="calc">
    <div class="title">Welcome to Calculator</div>
    <div class="display">0</div>
    <div class="grid">
      <button class="grey">AC</button>
      <button class="grey">←</button>
      <button class="grey">%</button>
      <button class="orange">÷</button>

      <button class="dark">7</button>
      <button class="dark">8</button>
      <button class="dark">9</button>
      <button class="orange">×</button>

      <button class="dark">4</button>
      <button class="dark">5</button>
      <button class="dark">6</button>
      <button class="orange">-</button>

      <button class="dark">1</button>
      <button class="dark">2</button>
      <button class="dark">3</button>

```

```
<button class="orange">+</button>
```

```
<button class="dark zero">0</button>
```

```
<button class="dark">.</button>
```

```
<button class="orange">=</button>
```

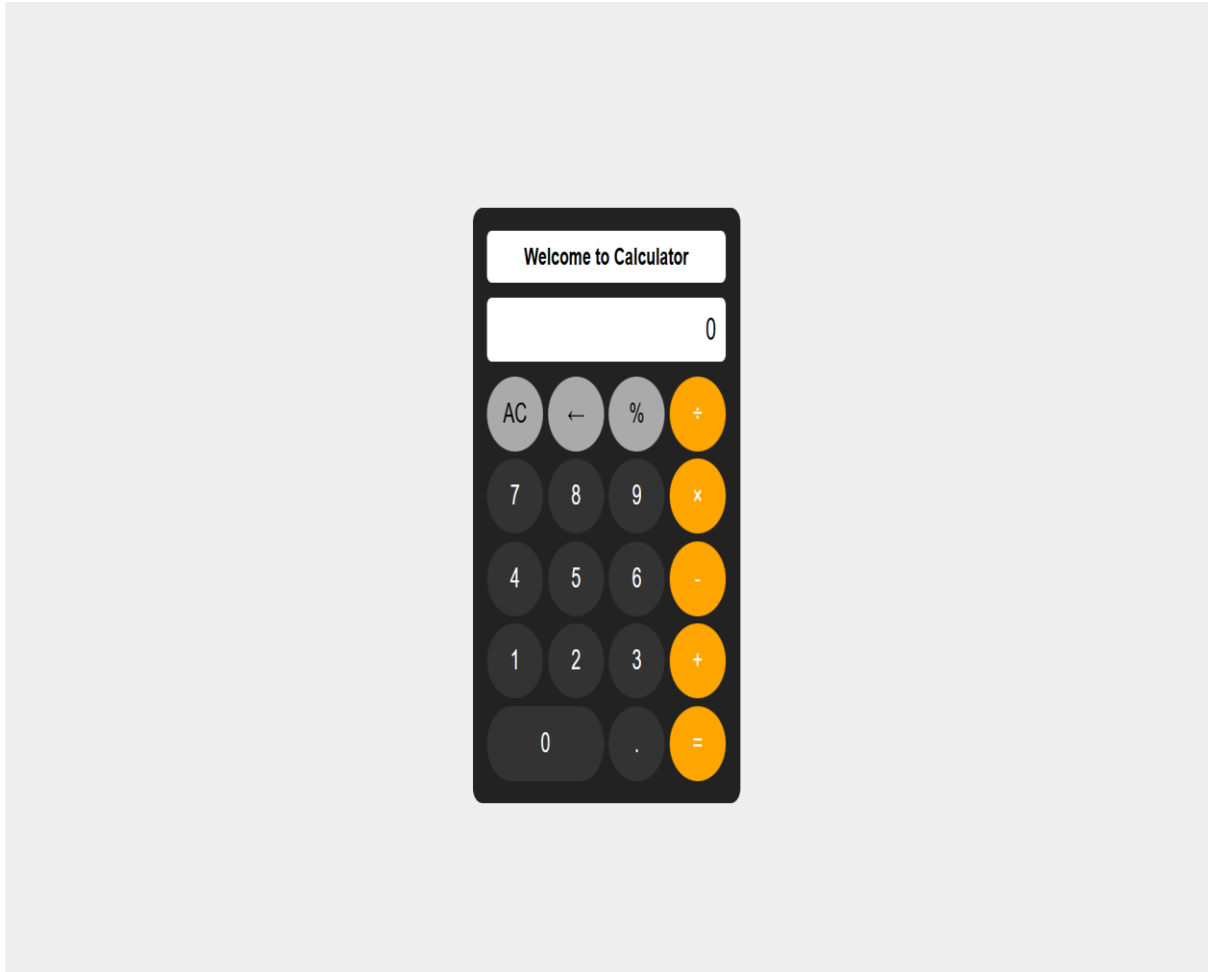
```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

OUTPUT CODE



CONCLUSION

This project demonstrates how a **calculator interface** can be designed using only **HTML and CSS**, without adding functional logic. The design highlights the importance of layout, styling, and visual presentation in user interface development. By using **flexbox** and **CSS grid**, the elements were arranged neatly, creating a structure that is both simple and visually appealing. Through this project, it becomes clear that CSS can be effectively used to replicate real-world interfaces, providing a foundation for further development. While this calculator does not perform actual calculations, it serves as a strong example of building clean and professional UI components, which can later be enhanced with JavaScript to add full functionality.