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## WEB-DEVELOPMENT

### CALCULATOR

Theory: -

To make CALCULATOR with HTML,CSS & JS

Source Code: -

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" />
  <link rel="stylesheet" href="/calculator.css">
  <link rel="icon" href="/istockphoto-1176722220-612x612.jpg">
  <title>Document</title>
</head>
```

```
<body>
```

```
<div class="calculator-grid">
```

```
  <div class="output">
```

```
    <div id="previousOperand" class="previous-operand"></div>
```

```
    <div id="currentOperand" class="current-operand"
id="output" onclick="view()">0</div>
```

```
  </div>
```

```
  <button id="allClear" class="clear" onclick="clr()">AC</button>
```

```
  <button id="delete" onclick="dlt()">DEL</button>
```

```
  <button id="operator" onclick="view('/')">÷</button>
```

```
  <button id="number" onclick="view('1')" value="1">1</button>
```

```
  <button id="number" onclick="view('2')" value="2">2</button>
```

```
  <button id="number" onclick="view('3')" value="3">3</button>
```

```
  <button id="operator" onclick="view('*')" value="x">x</button>
```

```
  <button id="number" onclick="view('4')" value="4">4</button>
```

```
  <button id="number" onclick="view('5')" value="5">5</button>
```

```
  <button id="number" onclick="view('6')" value="6">6</button>
```

```
  <button id="operator" onclick="view('+')" value="+">+</button>
```

```
  <button id="number" onclick="view('7')" value="7">7</button>
```

```
<button id="number" onclick="view('8')" value="8">8</button>
<button id="number" onclick="view('9')" value="9">9</button>
<button id="operator" onclick="view('-')" value="-">-</button>
<button id="number" name="decimal" onclick="view('.')"
value=".">.</button>
<button id="number" onclick="view('0')" value="0">0</button>
<button id="equals" class="equals" onclick="compute()"
value="=">=</button>

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

```
</body>
```

```
</html>
```

---

### CSS:

```
body {
  background: linear-gradient(#cdb4db, white);
  font-family: 'Titillium Web', sans-serif;
}
```

```
button {
  font-family: 'Titillium Web', sans-serif;
  font-size: 2rem;
  border: 1.5mm outset #a2d2ff;
```

```
background-color: #cdb4db;  
margin: 2px;  
border-radius: 20px;  
}
```

```
button:hover {  
    background-color: #a2d2ff;  
}
```

```
button:active {  
    background-color: #a2d2ff;  
}
```

```
.calculator-grid {  
    display: grid;  
    justify-content: center;  
    align-content: center;  
    min-height: 100vh;  
    grid-template-columns: repeat(4, 100px);  
    grid-template-rows: minmax(120px, auto) repeat(5, 100px);  
}
```

```
.clear {  
  grid-column-start: 1;  
  grid-column-end: 3;  
}
```

```
.equals {  
  grid-column-start: 3;  
  grid-column-end: 5;  
}
```

```
.output {  
  background-color: #ffafcc;  
  color: black;  
  border: 1.5mm outset #a2d2ff;  
  border-radius: 20px;  
  margin: 2px;  
  grid-column-start: 1;  
  grid-column-end: 5;  
  display: flex;  
  flex-direction: column;  
  align-items: flex-end;  
  justify-content: flex-end;  
  padding-right: 5px;  
  min-height: 10vh;
```

```
}
```

```
.current-operand {  
  font-size: 2.5rem;  
  flex-wrap: wrap;  
  display: inline-flex;  
}
```

```
.previous-operand {  
  font-size: 2rem;  
}
```

---

#### JAVASCRIPT:

```
function view(num)  
{  
  if (currentOperand.innerHTML == "0") {  
    currentOperand.innerHTML = "";  
  }  
  document.getElementById("currentOperand").innerText+=num  
}
```

```
function compute()
```

```
{  
  let x = document.getElementById("currentOperand").innerText  
  let y = eval(x)  
  document.getElementById("currentOperand").innerText=y;  
}
```

```
function clr()
```

```
{  
  document.getElementById("currentOperand").innerText= " ";  
}
```

```
function dlt()
```

```
{  
  document.getElementById("currentOperand").innerText=" ";  
}
```

OUTPUT:

