

index.html

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

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">

  <title>Calculator</title>
  <meta name="author" content="Pratik Pingale">
  <meta name="description" content="Calculator">

  <link rel="stylesheet" href="style.css">

</head>

<body>
  <div class="calc-container">
    <form action="" autocomplete="off" class="calculator" name="calculator">
      <input type="text" class="output" name="output">
      <input type="button" value="AC" class="button extra clear">
      <input type="button" value="+/-" class="button extra plus-minus">
      <input type="button" value="%" class="button arithmetic extra">
      <input type="button" value="/" class="button arithmetic math">
      <input type="button" value="7" class="button arithmetic">
      <input type="button" value="8" class="button arithmetic">
      <input type="button" value="9" class="button arithmetic">
      <input type="button" value="*" class="button arithmetic math">
      <input type="button" value="4" class="button arithmetic">
      <input type="button" value="5" class="button arithmetic">
      <input type="button" value="6" class="button arithmetic">
      <input type="button" value="-" class="button arithmetic math">
      <input type="button" value="1" class="button arithmetic">
      <input type="button" value="2" class="button arithmetic">
      <input type="button" value="3" class="button arithmetic">
      <input type="button" value="+" class="button arithmetic math">
      <input type="button" value="0" class="button arithmetic zero">
      <input type="button" value="." class="button arithmetic">
      <input type="button" value="=" class="button math evaluate">
    </form>
  </div>

  <script src="main.js"></script>
</body>

</html>
```

main.js

```
const calculator = document.getElementsByClassName("calculator")[0]

const evaluate = () => {
  try {
    document.calculator.output.value = eval(calculator.output.value).toFixed(4);
    return true;
  } catch {
    alert(`${calculator.output.value} is an invalid input`);
    return false;
  }
}

calculator.addEventListener('click', (event) => {
  if (event.target.classList.contains('arithmetic')) {
    document.calculator.output.value += event.target.value;
  }
})

document.getElementsByClassName("clear")[0].addEventListener('click', (event) => {
  document.calculator.output.value = '';
})

document.getElementsByClassName("plus-minus")[0].addEventListener('click', (event) => {
  if (calculator.output.value[0] !== '-') {
    document.calculator.output.value = ('-' + calculator.output.value);
  }
  else {
    document.calculator.output.value = calculator.output.value.slice(1);
  }
})

document.getElementsByClassName("evaluate")[0].addEventListener('click', evaluate)

document.getElementsByClassName("output")[0].addEventListener('keypress', (event) => {
  if (event.key === 'Enter') {
    event.preventDefault();
    return evaluate()
  }
})

document.addEventListener('click', (event) => {
  output = document.getElementsByClassName("output")[0]
  output.focus();
  output.scrollLeft = output.scrollWidth;
})
```

style.css

```
html {
  font-family: sans-serif;
  font-size: 100%;
  box-sizing: border-box;
}

*, ::before, ::after {
  box-sizing: inherit;
}

html, body {
  font-size: 1em;
  margin: 0;
  width: 100vw;
  height: 100%;
  display: flex;
  justify-content: center;
  align-items: center;
  text-rendering: optimizeLegibility;
}

body {
  background-color: #e0e0e0;
}

.calc-container {
  background-color: #e0e0e0;
  border-radius: 20px;
  box-shadow: 8px 8px 16px #c1c1c1, -8px -8px 16px #ffffff;
  padding: 30px;
  width: 321px;
  height: 600px;
}

.calculator {
  width: 100%;
  height: 100%;
  display: grid;
  grid-template-columns: repeat(4, 1fr);
  grid-template-rows: 1fr repeat(5, 10%);
  grid-gap: 15px;
}

.output {
  width: 100%;
  font-size: 5em;
  font-weight: 200;
  background-color: transparent;
  grid-column: span 4;
  border: 0;
  outline: 0;
  border-radius: 20px;
  margin: 10px;
  /* margin: 10px 10px 20px 10px;
  box-shadow: inset 5px 5px 10px #c1c1c1, inset -5px -5px 10px #ffffff; */
  text-align: right;
}

.button {
  font-size: 1.5em;
  font-weight: 300;
  background-color: transparent;
  color: black;
  border: 0;
  border-radius: 1000px;
  box-shadow: 8px 8px 16px #c1c1c1, -1px -1px 16px #ffffff;
}

.button:active {
  box-shadow: inset 4px 4px 8px #c1c1c1, inset -1px -1px 16px #ffffff;
}

.extra {
```

```
    color: gray;
}
.math {
    color: orange;
}
.zero {
    grid-column: span 2;
    padding-left: 24px;
    text-align: left;
    /* box-shadow: inset 4px 4px 8px #c1c1c1; */
}
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