

3. HTML A. Create a basic calculator using HTML, CSS, and JavaScript with the functionality of add, subtract, multiply and divide. Use the following picture for reference.

Ans=> **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">
```

```
  <title>calculator</title>
```

```
  <link rel="stylesheet" href="calculator.css">
```

```
  <!-- <link rel="stylesheet" href="cal.css"> -->
```

```
</head>
```

```
<body>
```

```
  <h1 class="text-center">Welcome to My calculator</h1>
```

```
  <div class="container flex flex-col items-center mx-auto m-w-20">
```

```
    <div class="row">
```

```
      <input class="input" type="text"/>
```

```
    </div>
```

```
    <div class="row">
```

```
      <button class="button operator">C</button>
```

```
      <button class="button operator">%</button>
```

```
      <button class="button operator">M+</button>
```

```
      <button class="button operator">M-</button>
```

```
    </div>
```

```
    <div class="row">
```

```
      <button class="button">7</button>
```

```
      <button class="button">8</button>
```

```
      <button class="button">9</button>
```

```

        <button class="button operator">*</button>
    </div>
    <div class="row">
        <button class="button">4</button>
        <button class="button">5</button>
        <button class="button">6</button>
        <button class="button operator">/</button>
    </div>
    <div class="row">
        <button class="button">1</button>
        <button class="button">2</button>
        <button class="button">3</button>
        <button class="button operator ">+</button>
    </div>
    <div class="row">
        <button class="button">0</button>
        <button class="button">.</button>
        <button class="button operator equal">=</button>
        <button class="button operator">-</button>
    </div>
</div>
<script src="calcscrip.js"></script>
</body>

</html>

```

## **CSS**

```

@import
url('https://fonts.googleapis.com/css2?family=Roboto:wght@300&family=Ubuntu:wght@300&display=swap');

body {
    height: 100%;

```

```
width: 100%;
justify-content: center;
text-align: center;
font-family: 'Roboto', sans-serif;
background: linear-gradient(45deg, #0a0a0a, #3a4452);
}
h1{
  /* width: 100px0; */
  /* height: auto; */
  color: #00ffff;
}
h1:hover{
  transition-duration:0.7s;
  transition: scale(1.5);
  font-size: 35px;
}
input{
  width: 320px;
  border: 1px solid #ffffff;
  padding: 24px;
  margin: 10px;
  background: transparent;
  box-shadow: 0px 3px 15px rgb(84, 84, 84, 0.1);
  font-size: 40px;
  text-align: right;
  cursor: pointer;
  color: #ffffff;
}
input::placeholder{
  color: rgb(214, 252, 0);
```

```
}  
.button{  
  width: 66px;  
  padding: 20px;  
  margin: 0 3px;  
  color: white;  
  border: none;  
  font-size: 20px;  
  background: transparent;  
  border-radius: 15px;  
  cursor: pointer;  
  transition-property: all;  
  box-shadow: -8px -8px 15px rgba(255, 255, 255 ,0.1);  
  
}
```

```
.row{  
  margin: 8px 0;  
}
```

```
.row input{  
  width: 291px;  
  font-size: 20px;  
  margin: 0;  
  padding: 10px 0px;  
}
```

```
button.operator:hover {  
  box-shadow: -2px -2px 1px 1px #ebd408;  
  transform: scale(0.8,0.7);  
  /* transform-origin: 0%,5%; */  
  transition-duration:0.7s;
```

```
}  
  
.operator{  
  color: hsl(194, 76%, 44%);  
  font-size: 25px;  
  transform-origin: 0% 100%;  
}  
  
.equal{  
  background-color: #bd6116;  
}
```

## **Javascript**

```
@import  
url('https://fonts.googleapis.com/css2?family=Roboto:wght@300&family=Ubuntu:wght@300&display=swap');  
  
body {  
  height: 100%;  
  width: 100%;  
  justify-content: center;  
  text-align: center;  
  font-family: 'Roboto', sans-serif;  
  background: linear-gradient(45deg, #0a0a0a, #3a4452);  
}  
  
h1{  
  /* width: 100px0; */  
  /* height: auto; */  
  color: #00ffff;  
}  
  
h1:hover{  
  transition-duration:0.7s;  
  transition: scale(1.5);  
  font-size: 35px;  
}
```

```
input{
  width: 320px;
  border: 1px solid #ffffff;
  padding: 24px;
  margin: 10px;
  background: transparent;
  box-shadow: 0px 3px 15px rgb(84, 84, 84, 0.1);
  font-size: 40px;
  text-align: right;
  cursor: pointer;
  color: #ffffff;
}
input::placeholder{
  color: rgb(214, 252, 0);
}
.button{
  width: 66px;
  padding: 20px;
  margin: 0 3px;
  color: white;
  border: none;
  font-size: 20px;
  background: transparent;
  border-radius: 15px;
  cursor: pointer;
  transition-property: all;
  box-shadow: -8px -8px 15px rgba(255, 255, 255 ,0.1);
}
```

```
.row{
  margin: 8px 0;
}

.row input{
  width: 291px;
  font-size: 20px;
  margin: 0;
  padding: 10px 0px;
}

button.operator:hover {
  box-shadow: -2px -2px 1px 1px #ebd408;
  transform: scale(0.8,0.7);
  /* transform-origin: 0%,5%; */
  transition-duration:0.7s;
}

.operator{
  color: hsl(194, 76%, 44%);
  font-size: 25px;
  transform-origin: 0% 100%;
}

.equal{
  background-color: #bd6116;
}
```