

BMI Calculator:

Source Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>BMI Calculator</title>
  <link rel="stylesheet" href="bmi.css">
</head>
<body>
  <main>
    <div class="box">
      <div class="heading">
        <h1>BMI CALCULATOR</h1>
      </div>
      <div class="input">
        <div class="weight">
          <p>Enter weighth : </p>
          <input type="number" placeholder="In Kilograms " id="weight">
        </div>
        <div class="weight">
          <p>Enter Height : </p>
          <input type="number" placeholder="In Meters " id="height">
        </div>
        <div class="calc">
          <input type="button" value="Calculate" onclick="calculate()">
        </div>
        <div class="output">
          <p>BMI</p>
          <div id="output2"></div>
        </div>
        <div class="meter">
          
          <div class="point">
            
          </div>
        </div>
        <div class="reset">
          <input type="button" value="Reset" onclick="Erase()">
        </div>
      </div>
    </main>
    <script src="bmi.js"></script>
  </body>
</html>
```

CSS Code:

```
*{
  margin: 0;
  padding: 0;
  font-family: Arial, Helvetica, sans-serif;
}
body {
  /* background-color: aqua; */
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
}
.box {
  height: auto;
  width: 400px;
  background-color: #000000d7;
  border: 2px solid rgba(0, 0, 0, 0.393);
  border-radius: 10px;
  position: relative;
  padding: 20px;
}
.heading{
  height: 20px;
  text-align: center;
  margin-top: 2px;
  color: white;
}
.input{
  padding: 0px;
  color: white;
  display: flex;
  justify-content: space-evenly;
  margin-top: 40px;
}
.weight input{
  margin-top: 5px;
  padding: 5px;
}
.calc{
  align-items: center;
  justify-content: center;
  display: flex;
}
.calc input{
  padding: 6px 25px;
  font-size: 1.3rem;
  background-color: rgb(0, 255, 0);
  border-radius: 5px;
  border: none;
  cursor: pointer;
}
```

```
    font-weight: 600;
    margin-top: 20px;
}
.output{
    display: flex;
}
.output p{
    margin-top: 28px;
    color: white;
    margin-left: 20px;
}
#output2{
    height: 10px;
    width: 90%;
    margin-top: 20px;
    border: 2px solid white;
    border-radius: 5px;
    margin-left: 30px;
    margin-right: 20px;
    color: white;
    align-items: center;
    display: flex;
    padding: 10px;
}
.meter img{
    width: 400px;
    margin-top: 30px;
    align-items: center;
    display: flex;
    margin-bottom: 20px;
}
.point{
    display: flex;
    justify-content: center;
    align-items: center;
}
.point img{
    width: 50px;
    position: relative;
    margin-top: -220px;
    transform-origin: bottom center;
    transition: transform 0.5s ease;
}
.reset input{
    padding: 5px 20px;
    margin-left: 38%;
    border-radius: 5px;
    border: none;
    background-color: rgb(255, 0, 0);
    color: white;
    font-size: 1.2rem;
```

```
    cursor: pointer;
}
```

JS Code:

```
let display = document.getElementById('output2')
function calculate(){
    let weight = document.getElementById('weight').value
    let height = document.getElementById('height').value
    if(weight>0 && height>0){
        let bmi = weight/(height*height)
        display.innerHTML = bmi.toFixed(2)
    }
    else{
        display.innerHTML = 'Please Enter valid data'
    }
    let bmi = weight/(height*height)
    let pointer = document.getElementById('pointer')
    if(bmi<18.5){
        pointer.style.transform='rotate(-70deg)'
    }
    else if(bmi>18.5 && bmi<24.9){
        pointer.style.transform='rotate(-35deg)'
    }
    else if(bmi>25.0 && bmi<29.9){
        pointer.style.transform='initial'
    }
    else if(bmi>30.0 && bmi<34.9){
        pointer.style.transform='rotate(30deg)'
    }else if(bmi >35.0){
        pointer.style.transform='rotate(70deg)'
    }
}
function Erase(){
    display.innerHTML = ""
    document.getElementById('weight').value = ""
    document.getElementById('height').value = ""
    document.getElementById('pointer').style.transform = 'initial'
}
```

Output:

