BMI CALCULATOR

<!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="styles.css">

</head>

<body>

  <div class="container">

    <h1>BMI Calculator</h1>

*<!-- Input Fields for Weight and Height -->*

    <div class="input-group">

      <label for="weight">Weight (kg): </label>

      <input type="number" id="weight" step="0.1" placeholder="Enter weight in kg">

    </div>

    <div class="input-group">

      <label for="height">Height (m): </label>

      <input type="number" id="height" step="0.01" placeholder="Enter height in meters">

    </div>

    <button onclick="calculateBMI()">Calculate BMI</button>

*<!-- BMI Display -->*

    <p id="bmi-result">Your BMI: </p>

*<!-- Circular Gauge -->*

    <div class="gauge-container">

      <img src="bmi.jpg" class="bmi-gauge" alt="BMI Gauge">

      <div class="needle" id="needle"></div>

    </div>

  </div>

  <script src="script.js"></script>

</body>

</html>

Css code  
  
\* {

    margin: 0;

    padding: 0;

    box-sizing: border-box;

  }

  body {

    font-family: Arial, sans-serif;

    display: flex;

    justify-content: center;

    align-items: center;

    height: 100vh;

    background-color: #f5f5f5;

  }

  .container {

    text-align: center;

  }

  .input-group {

    margin: 10px 0;

  }

  input {

    padding: 5px;

    font-size: 16px;

    width: 100px;

  }

  button {

    padding: 10px 20px;

    font-size: 16px;

    margin-top: 20px;

    cursor: pointer;

  }

  #bmi-result {

    font-size: 18px;

    margin: 20px 0;

  }

  .gauge-container {

    position: relative;

    width: 300px;

    height: 150px;

  }

  .bmi-gauge {

    width: 100%;

  }

  .needle {

    position: absolute;

    bottom: 0;

    left: 50%;

    transform-origin: 50% 100%; */\* Rotate from the bottom center \*/*

    width: 5px;

    height: 140px;

    background-color: black;

    transform: rotate(-45deg); */\* Start position at underweight \*/*

    transition: transform 0.5s ease-out; */\* Smooth needle movement \*/*

  }

Js code

function calculateBMI() {

*// Get input values*

    const weight = parseFloat(document.getElementById("weight").value);

    const height = parseFloat(document.getElementById("height").value);

*// Check for valid inputs*

*if* (isNaN(weight) || isNaN(height) || weight <= 0 || height <= 0) {

      alert("Please enter valid values for weight and height.");

*return*;

    }

*// Calculate BMI*

    const bmi = weight / (height \* height);

    document.getElementById("bmi-result").innerText = "Your BMI: " + bmi.toFixed(2);

*// Rotate the needle based on BMI value*

    rotateNeedle(bmi);

  }

  function rotateNeedle(*bmi*) {

    const needle = document.getElementById("needle");

    let angle;

*// Set angle for each BMI range*

*if* (*bmi* < 18.5) {

      angle = -45;  *// Underweight (Green)*

    } *else* *if* (*bmi* >= 18.5 && *bmi* <= 24.9) {

      angle = 0;  *// Normal (Blue)*

    } *else* *if* (*bmi* >= 25 && *bmi* <= 29.9) {

      angle = 45;  *// Overweight (Yellow)*

    } *else* *if* (*bmi* >= 30 && *bmi* <= 39.9) {

      angle = 90;  *// Obese (Orange)*

    } *else* *if* (*bmi* >= 40) {

      angle = 135;  *// Morbidly Obese (Red)*

    }

*// Apply rotation to the needle*

    needle.style.transform = `rotate(${angle}deg)`;

  }

Output

