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|  <b>Marwadi</b><br>University | <b>Marwadi University</b><br><b>Faculty of Technology</b><br><b>Department of Information and Communication Technology</b> |                                  |
| <b>Subject: Introduction to Web Technology</b>   | <b>Tutorial 6</b>  |                                  |
| <b>Shashank Bagda</b>  |  | <b>Enrolment No: 92100133020</b> |


HTML:

```
<!DOCTYPE html>
<html>
<head>
  <title>BMI Calculator</title>
  <link rel="stylesheet" type="text/css" href="style.css">
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
  <script src="script.js"></script>
</head>
<body>
  <div class="calculator">
    <h1>BMI Calculator</h1>
    <h3>Developed by Shashank Bagda</h3>
    <label for="height">Height (cm):</label>
    <input type="number" id="height" name="height" min="1" required>
    <label for="weight">Weight (kg):</label>
    <input type="number" id="weight" name="weight" min="1" required>
    <button id="calculate">Calculate BMI</button>
    <div id="result"></div>
    <div id="suggestions"></div>
  </div>
</body>
</html>
```

JavaScript:

```
$(document).ready(function() {
  // Define the calculator element and result elements
  var $calculator = $('calculator');
  var $result = $('#result');
  var $suggestions = $('#suggestions');

  // Define the calculate function
  var calculateBMI = function() {
    // Get the height and weight values from the form
    var height = parseFloat($calculator.find('#height').val());
    var weight = parseFloat($calculator.find('#weight').val());
```

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```

// Calculate the BMI and display the result
if (height > 0 && weight > 0)
{
    var bmi = weight / (height / 100 * height / 100);
    $result.html('Your BMI is ' + bmi.toFixed(1));

    // Show suggestions based on BMI
    if (bmi < 18.5)
    {
        $suggestions.html('You are underweight. You should eat more and gain weight.');
```

}

```
    else if (bmi >= 18.5 && bmi <= 24.9)
    {
        $suggestions.html('You are at a healthy weight. Keep up the good work!');
```

}

```
    else if (bmi >= 25 && bmi <= 29.9)
    {
        $suggestions.html('You are overweight. You should exercise more and eat a
balanced diet.');
```

}

```
    else if (bmi >= 30)
    {
        $suggestions.html('You are obese. You should talk to a doctor or nutritionist
about a weight loss plan.');
```

}


```
    }
};

// Bind the calculate function to the click event of the "Calculate BMI" button
$calculator.find('#calculate').on('click', calculateBMI);
});
```

CSS:

```

.calculator {
    max-width: 400px;
    margin: 0 auto;
```

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```

    text-align: center;
    padding: 20px;
    background-color: #f2f2f2;
    border-radius: 5px;
    box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.2);
}

h1 {
    margin-top: 0;
}

label {
    display: block;
    margin-top: 10px;
}


input[type="number"] {
    padding: 5px;
    border-radius: 5px;
    border: none;
    background-color: #f9f9f9;
    box-shadow: 0px 0px 5px rgba(0, 0, 0, 0.2);
}

button {
    margin-top: 20px;
    padding: 10px 20px;
    background-color: #007bff;
    color: #fff;
    border: none;
    border-radius: 5px;
    cursor: pointer;
    box-shadow: 0px 0px 5px rgba(0, 0, 0, 0.2);
}

#result {
    margin-top: 20px;
    font-size: 24px;
}

#suggestions {
    margin-top: 20px;
    font-size: 16px;
}

```

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```

        font-weight: bold;
    }

#suggestions ul {
    list-style: none;
    padding: 0;
    margin: 0;
}

#suggestions li {
    margin-top: 5px;
}

```