

jQuery Arithmetic Operations

Enter first number	Enter second number	Add	Subtract	Multiply	Divide
--------------------	---------------------	-----	----------	----------	--------

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>jQuery Arithmetic Operations</title>
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 50px;
      padding: 20px;
    }

    input, button {
      padding: 10px;
      margin: 10px 0;
    }
  </style>
</head>
</html>
```

```
#result {  
    font-weight: bold;  
    margin-top: 20px;  
}  
</style>  
</head>  
<body>  
  
<h2>jQuery Arithmetic Operations</h2>  
  
<!-- Input fields for numbers -->  
<input type="number" id="num1" placeholder="Enter first number">  
<input type="number" id="num2" placeholder="Enter second number">  
  
<!-- Buttons to perform operations -->  
<button id="addBtn">Add</button>  
<button id="subtractBtn">Subtract</button>  
<button id="multiplyBtn">Multiply</button>  
<button id="divideBtn">Divide</button>  
  
<!-- Result area -->  
<div id="result"></div>  
  
<script>  
$(document).ready(function() {
```

```
// Perform addition
```

```
$('#addBtn').click(function() {
```

```
    let num1 = parseFloat($('#num1').val()); // Get value from input and convert to float
```

```
    let num2 = parseFloat($('#num2').val());
```

```
    let sum = num1 + num2;
```

```
    $('#result').text('Sum: ' + sum);
```

```
});
```

```
// Perform subtraction
```

```
$('#subtractBtn').click(function() {
```

```
    let num1 = parseFloat($('#num1').val());
```

```
    let num2 = parseFloat($('#num2').val());
```

```
    let difference = num1 - num2;
```

```
    $('#result').text('Difference: ' + difference);
```

```
});
```

```
// Perform multiplication
```

```
$('#multiplyBtn').click(function() {
```

```
    let num1 = parseFloat($('#num1').val());
```

```
    let num2 = parseFloat($('#num2').val());
```

```
    let product = num1 * num2;
```

```
    $('#result').text('Product: ' + product);
```

```
});
```

```
// Perform division
```

```
$('#divideBtn').click(function() {
```

```
  let num1 = parseFloat($('#num1').val());
```

```
  let num2 = parseFloat($('#num2').val());
```

```
  if (num2 === 0) {
```

```
    $('#result').text('Error: Cannot divide by zero');
```

```
  } else {
```

```
    let quotient = num1 / num2;
```

```
    $('#result').text('Quotient: ' + quotient);
```

```
  }
```

```
});
```

```
});
```

```
</script>
```

```
</body>
```

```
</html>
```

Another example with else if :-

jQuery Arithmetic Operations

10	20	+	-	*	/
----	----	---	---	---	---

Quotient: 0.5

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>jQuery Arithmetic Operations with Buttons</title>
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 50px;
      padding: 20px;
    }
  </style>
</head>
</html>
```

```
input, button {
    padding: 10px;
    margin: 10px 0;
}

#result {
    font-weight: bold;
    margin-top: 20px;
}

</style>
</head>
<body>

<h2>jQuery Arithmetic Operations</h2>

<!-- Input fields for numbers -->
<input type="number" id="num1" placeholder="Enter first number">
<input type="number" id="num2" placeholder="Enter second number">

<!-- Buttons for operations -->
<button class="operationBtn" id="addBtn">+</button>
<button class="operationBtn" id="subtractBtn">-</button>
<button class="operationBtn" id="multiplyBtn">*</button>
<button class="operationBtn" id="divideBtn">/</button>
```

```
<!-- Result area -->
```

```
<div id="result"></div>
```

```
<script>
```

```
$(document).ready(function() {
```

```
    // Click event for each operation button
```

```
    $('.operationBtn').click(function() {
```

```
        // Get the values of the numbers from the input fields
```

```
        let num1 = parseFloat($('#num1').val());
```

```
        let num2 = parseFloat($('#num2').val());
```

```
        let result;
```

```
        // Check if the input values are valid numbers
```

```
        if (isNaN(num1) || isNaN(num2)) {
```

```
            $('#result').text('Please enter valid numbers.');
```

```
            return;
```

```
        }
```

```
        // Perform the operation based on the clicked button
```

```
        if ($(this).attr('id') === 'addBtn') {
```

```
            result = num1 + num2;
```

```
            $('#result').text('Sum: ' + result);
```

```
        } else if ($(this).attr('id') === 'subtractBtn') {
```

```
            result = num1 - num2;
```

```
            $('#result').text('Difference: ' + result);
```

```
} else if ($(this).attr('id') === 'multiplyBtn') {  
    result = num1 * num2;  
    $('#result').text('Product: ' + result);  
} else if ($(this).attr('id') === 'divideBtn') {  
    // Check for division by zero  
    if (num2 === 0) {  
        $('#result').text('Error: Cannot divide by zero.');    } else {  
        result = num1 / num2;  
        $('#result').text('Quotient: ' + result);  
    }  
}  
};
```

```
});
```

```
</script>
```

```
</body>
```

```
</html>
```

jQuery Arithmetic Operations with Switch-Case

12	11	+	-	*	/
----	----	---	---	---	---

Quotient: 1.0909090909090908

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>jQuery Arithmetic Operations with Switch-Case</title>
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 50px;
      padding: 20px;
    }

    input, button {
      padding: 10px;
      margin: 10px 0;
    }
  </style>
</head>
<body>
  <div>
    <input type="text" value="12" />
    <input type="text" value="11" />
    <button value="+" />
    <button value="-" />
    <button value="*" />
    <button value="/" />
  </div>
  <div>
    <strong>Quotient: 1.0909090909090908</strong>
  </div>
</body>
</html>
```

```
#result {
    font-weight: bold;
    margin-top: 20px;
}
</style>
</head>
<body>

<h2>jQuery Arithmetic Operations with Switch-Case</h2>

<!-- Input fields for numbers -->
<input type="number" id="num1" placeholder="Enter first number">
<input type="number" id="num2" placeholder="Enter second number">

<!-- Buttons for operations -->
<button class="operationBtn" id="addBtn">+</button>
<button class="operationBtn" id="subtractBtn">-</button>
<button class="operationBtn" id="multiplyBtn">*</button>
<button class="operationBtn" id="divideBtn">/</button>

<!-- Result area -->
<div id="result"></div>

<script>
```

```
$(document).ready(function() {  
  
    // Click event for each operation button  
    $('#operationBtn').click(function() {  
  
        // Get the values of the numbers from the input fields  
        let num1 = parseFloat($('#num1').val());  
        let num2 = parseFloat($('#num2').val());  
  
        let result;  
  
        // Check if the input values are valid numbers  
        if (isNaN(num1) || isNaN(num2)) {  
            $('#result').text('Please enter valid numbers.');            return;  
        }  
  
        // Use switch-case to perform the selected operation  
        switch ($(this).attr('id')) {  
            case 'addBtn':  
                result = num1 + num2;  
                $('#result').text('Sum: ' + result);  
                break;  
  
            case 'subtractBtn':  
                result = num1 - num2;  
                $('#result').text('Difference: ' + result);  
                break;
```

```
case 'multiplyBtn':  
    result = num1 * num2;  
    $('#result').text('Product: ' + result);  
    break;  
  
case 'divideBtn':  
    // Check for division by zero  
    if (num2 === 0) {  
        $('#result').text('Error: Cannot divide by zero.');    } else {  
        result = num1 / num2;  
        $('#result').text('Quotient: ' + result);  
    }  
    break;  
  
default:  
    $('#result').text('Invalid operation.');    break;  
}
```

```
});
```

```
});
```

```
</script>
```

```
</body>
```

</html>