

```
function calculate() {  
  
    const num1 =  
        parseFloat(document.getElementById('num  
1').value);  
  
    const num2 =  
        parseFloat(document.getElementById('num  
2').value);  
  
    const operation =  
        document.getElementById('operation').valu  
e;  
  
    const resultDiv =  
        document.getElementById('result');  
  
    if (isNaN(num1) || isNaN(num2)) {  
        alert('Please enter valid numbers in both  
fields.');//  
  
    return;  
}  
  
let result;  
  
switch (operation) {  
  
    case 'add':  
        result = num1 + num2;  
        break;  
  
    case 'subtract':  
        result = num1 - num2;  
        break;  
  
    case 'multiply':  
        result = num1 * num2;  
        break;  
  
    case 'divide':  
        if (num2 === 0) {  
            alert('Division by zero is not allowed.');//  
            return;  
        }  
        result = num1 / num2;  
        break;  
  
    default:  
        alert('Invalid operation');//  
        return;  
}  
  
resultDiv.textContent = 'Result: ' + result;  
}
```