

```

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':
```

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result = num1 * num2;

break;

case 'divide':

if (num2 === 0) {

alert('Division by zero is not allowed.');
```

```

return;
}

```

```

result = num1 / num2;

break;

default:
```

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alert('Invalid operation');
```

```

return;
}

```

```

resultDiv.textContent = 'Result: ' + result;
```

```

}

```