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// Q1: Program to Grade Students Based on Marks
function gradeStudent(marks) {
  if (marks > 90) {
    console.log("A Grade");
  } else if (marks > 70 && marks <= 90) {
    console.log("B Grade");
  } else if (marks > 50 && marks <= 70) {
    console.log("C Grade");
  } else {
    console.log("F Grade");
  }
}
// Example usage:
gradeStudent(85); // Output: B Grade
// Q2: Generate Numbers Between Any Two Given Numbers
const generateNumbers = (num1, num2) => {
  for (let i = num1 + 1; i <= num2; i++) {
    console.log(i);
 }
}
// Example usage:
generateNumbers(10, 25);
// Output: 11, 12, 13, ..., 25
// Q3: Nested Ternary Operator to Check Positive, Negative, or Zero
const checkNumber = (num) => {
  let result = num > 0 ? "positive" : num < 0 ? "negative" : "zero";</pre>
  console.log(result);
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}
// Example usage:
checkNumber(5); // Output: positive
checkNumber(-3); // Output: negative
checkNumber(0); // Output: zero
// Q4: Usage of Comma Operator in JavaScript
let x = (1 + 2, 3 + 4);
console.log(x); // Output: 7
// Q7: Weather Application Using Ternary Operator
const checkWeather = (temperature) => {
  let weather = temperature > 30 ? "Hot" : "Moderate";
  console.log(weather);
}
// Example usage:
checkWeather(35); // Output: Hot
checkWeather(25); // Output: Moderate
// Q8: Program to Calculate the Sum of Numbers Using Do-While Loop
function calculateSum(n) {
  let sum = 0;
  let i = 1;
  do {
    sum += i;
    i++;
  } while (i <= n);
  console.log("Sum:", sum);
}
```

// Example u	sage:			
	n(5); // Output: Sur	n: 15		
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