<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Function Expression Example</title>

<script>

// Anonymous Function Expression

const greet = function(name) {

return `Hello, ${name}!`;

};

console.log(greet("Alice")); // Output: Hello, Alice!

// Named Function Expression

const factorial = function calculateFactorial(n) {

if (n <= 1) {

return 1;

} else {

return n \* calculateFactorial(n - 1);

}

};

console.log(factorial(5)); // Output: 120

// Function Expression as an Argument

function performOperation(a, b, operation) {

return operation(a, b);

}

const add = function(x, y) {

return x + y;

};

const result = performOperation(5, 3, add);

console.log(result); // Output: 8

// Function Expression Returned from Another Function

function createMultiplier(multiplier) {

return function(x) {

return x \* multiplier;

};

}

const double = createMultiplier(2);

console.log(double(4)); // Output: 8

const triple = createMultiplier(3);

console.log(triple(4)); // Output: 12

</script>

</head>

<body>

<h1>Check the console for function expression examples</h1>

</body>

</html>