**Lab 10**

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Boundary Value Analysis (BVA): BVA is based on the principle that bugs most likely appear at the boundaries of the input domain.

// Test cases for square function

console.assert(square(0) === 0, 'Failed: square(0)'); // Lower boundary

console.assert(square(1) === 1, 'Failed: square(1)'); // Just above lower boundary

console.assert(square(100) === 10000, 'Failed: square(100)'); // Upper boundary (Assuming 100 as a reasonable upper limit for this context)

console.assert(square(99) === 9801, 'Failed: square(99)'); // Just below upper boundary

Robust Testing: Robust testing includes testing with values just outside the valid input domain (invalid inputs).

console.assert(square(-1) === -1, 'Failed: square(-1)'); // Just below lower boundary

console.assert(square(101) === -1, 'Failed: square(101)'); // Just above upper boundary

Worst Case Testing: Worst case testing includes testing with the most extreme valid values.

console.assert(square(0) === 0, 'Failed: square(0)'); // Minimum valid input

console.assert(square(100) === 10000, 'Failed: square(100)'); // Maximum valid input