JAVASCRIPT DAY3

a. Print odd numbers in an array

let array = [1, 2, 3, 4, 5, 6, 7];

let oddNumbers = array.filter(x => x % 2 !== 0);

console.log(oddNumbers);

b. Convert all the strings to title caps in a string array

let strings = ["hello", "world", "javascript", "programming"];

let titleCaps = strings.map(s => s.charAt(0).toUpperCase() + s.slice(1).toLowerCase());

console.log(titleCaps);

c. Sum of all numbers in an array

let numbers = [1, 2, 3, 4, 5];

let totalSum = numbers.reduce((acc, cur) => acc + cur, 0);

console.log(totalSum);

d. Return all the prime numbers in an array

let isPrime = num => {

    if (num < 2) return false;

    for (let i = 2; i <= Math.sqrt(num); i++) {

        if (num % i === 0) return false;

    }

    return true;

};

let primes = numbers.filter(isPrime);

console.log(primes);

e. Return all the palindromes in an array

let words = ["radar", "apple", "rotor", "blue", "level"];

let palindromes = words.filter(w => w === w.split('').reverse().join(''));

console.log(palindromes);