**@2.PRIME NUMBER**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Check Prime Number</title>

</head>

<body>

    <h1>Check if a Number is Prime</h1>

    <label for="number">Number:</label>

    <input type="number" id="number"><br>

    <button onclick="checkPrime()">Check</button>

    <p id="result"></p>

    <script>

        function isPrime(num) {

            if (num <= 1) return false;

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

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

            }

            return true;

        }

        function checkPrime() {

            const num = parseInt(document.getElementById('number').value);

            const result = isPrime(num) ? `${num} is a prime number.` : `${num} is not a prime number.`;

            document.getElementById('result').textContent = result;

        }

    </script>

</body>

</html>