30. Write a PHP Script with function to check whether a number is prime or not.

Note: A prime number (or a prime) is a natural number greater than 1 that has no positive

divisors other than 1 and itself.

<!DOCTYPE html>

<html>

<head>

    <title>Prime Number Checker</title>

</head>

<body>

    <h2>Prime Number Checker</h2>

    <form method="post" action="">

        Enter a number: <input type="text" name="number">

        <input type="submit" value="Check">

    </form>

    <?php

    function isPrime($num) {

        // Check if the number is less than 2

        if ($num < 2) {

            return false;

        }

        // Check for factors from 2 to the square root of the number

        for ($i = 2; $i <= sqrt($num); $i++) {

            if ($num % $i == 0) {

                // If the number has a factor, it's not prime

                return false;

            }

        }

        // If no factors were found, the number is prime

        return true;

    }

    if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

        $number = $\_POST["number"];

        if (is\_numeric($number)) {

            if (isPrime($number)) {

                echo "<p>$number is a prime number.</p>";

            } else {

                echo "<p>$number is not a prime number.</p>";

            }

        } else {

            echo "<p>Please enter a valid number.</p>";

        }

    }

    ?>

</body>

</html>