

Name : Mandhani Vaibhav Ramesh

Sub : SEM-II

Roll NO : 266

Practical : 06

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Prime Numbers Between Range</title>
  <style>
    body {
      font-family: Arial, sans-serif;

      padding: 20px;
    }
    input, button {
      padding: 10px;
      margin: 10px;
      font-size: 16px;
    }
    p {
      font-size: 18px;
      color: #333;
    }
  </style>
</head>
<body>
```

```
<h2>Find Prime Numbers Between a Range</h2>
```

```
<label for="startNumber">Starting Number:</label>
```

```
<input type="number" id="startNumber" placeholder="Enter starting
number"><br>
```

```
<label for="endNumber">Ending Number:</label>
```

```
<input type="number" id="endNumber" placeholder="Enter ending
number"><br>
```

```
<button onclick="findPrimes()">Find Prime Numbers</button>
```

```
<h3>Prime Numbers Between Range:</h3>
```

```
<p id="primeNumbersOutput"></p>
```

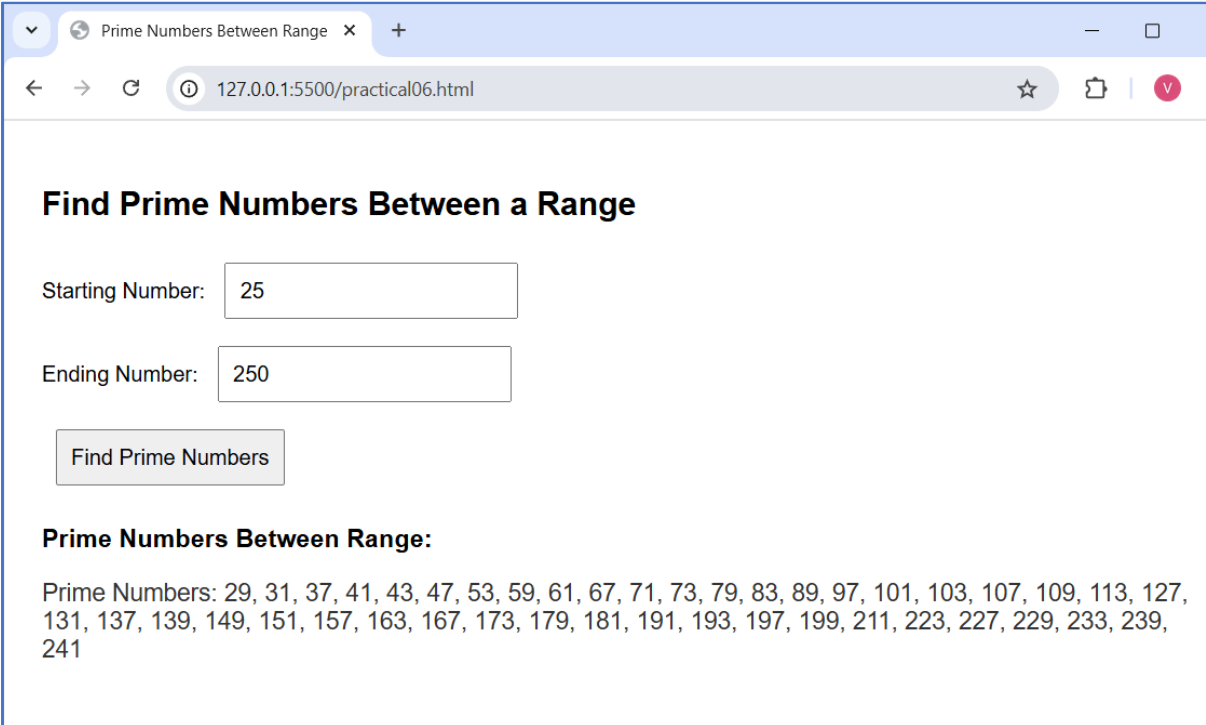
```
<script>
```

```
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 to find all prime numbers in the given range
```

```
function findPrimes() {  
  var start = parseInt(document.getElementById("startNumber").value);  
  var end = parseInt(document.getElementById("endNumber").value);  
  
  if (isNaN(start) || isNaN(end) || start > end) {  
    document.getElementById("primeNumbersOutput").textContent =  
"Please enter valid numbers where the starting number is less than the ending  
number."  
    return;  
  }  
  
  var primes = [];  
  for (let num = start; num <= end; num++) {  
    if (isPrime(num)) {  
      primes.push(num);  
    }  
  }  
  
  if (primes.length > 0) {  
    document.getElementById("primeNumbersOutput").textContent =  
"Prime Numbers: " + primes.join(", ");
```

```
        } else {  
            document.getElementById("primeNumbersOutput").textContent =  
"No prime numbers found in the given range."  
        }  
    }  
</script>  
  
</body>  
</html>
```



The screenshot shows a web browser window with the title "Prime Numbers Between Range". The address bar shows the URL "127.0.0.1:5500/practical06.html". The main content area has a heading "Find Prime Numbers Between a Range". Below the heading, there are two input fields: "Starting Number:" with the value "25" and "Ending Number:" with the value "250". A button labeled "Find Prime Numbers" is positioned below these fields. The output section, titled "Prime Numbers Between Range:", displays a list of prime numbers: "Prime Numbers: 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97, 101, 103, 107, 109, 113, 127, 131, 137, 139, 149, 151, 157, 163, 167, 173, 179, 181, 191, 193, 197, 199, 211, 223, 227, 229, 233, 239, 241".

Prime Numbers Between Range

Starting Number:

Ending Number:

**Prime Numbers Between Range:**

Prime Numbers: 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97, 101, 103, 107, 109, 113, 127, 131, 137, 139, 149, 151, 157, 163, 167, 173, 179, 181, 191, 193, 197, 199, 211, 223, 227, 229, 233, 239, 241