

**Subject: 2304CS431 – CSJS**

**Faculty: Prof. Chirag K. Sakhrani**

<b>Practical - 4: Implementation of new ES-6 concepts in program</b>	
<b>72.</b>	
	<b>WAP to check whether the given number is prime or not using arrow function. (A)</b>
	<pre>&lt;!DOCTYPE html&gt; &lt;html&gt; &lt;body&gt;  &lt;input type="number" id="num" placeholder="Enter number"&gt; &lt;button onclick="checkPrime()"&gt;Check&lt;/button&gt;  &lt;p id="out"&gt;&lt;/p&gt;  &lt;script&gt; let isPrime = n =&gt; {     if (n &lt; 2) return false;     for (let i = 2; i &lt;= n / 2; i++) {         if (n % i === 0)             return false;     }     return true; };  function checkPrime() {     let n = document.getElementById("num").value;      if (isPrime(n))         document.getElementById("out").innerHTML = n + " is Prime";     else         document.getElementById("out").innerHTML = n + " is Not Prime"; } &lt;/script&gt;  &lt;/body&gt; &lt;/html&gt;</pre>
<b>73.</b>	
	<b>WAP to check whether the given number is palindrome or not using arrow function. (B)</b>
	<pre>&lt;!DOCTYPE html&gt; &lt;html&gt; &lt;body&gt;  &lt;input type="number" id="num" placeholder="Enter number"&gt; &lt;button onclick="checkPal()"&gt;Check&lt;/button&gt;  &lt;p id="out"&gt;&lt;/p&gt;</pre>

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```
<script>
let isPalindrome = n => {
    let original = n;
    let rev = 0;

    while (n > 0) {
        let digit = n % 10;
        rev = rev * 10 + digit;
        n = parseInt(n / 10);
    }

    return rev == original;
};

function checkPal() {
    let n = parseInt(document.getElementById("num").value);

    if (isPalindrome(n))
        document.getElementById("out").innerHTML = n + " is Palindrome";
    else
        document.getElementById("out").innerHTML = n + " is Not Palindrome";
}
</script>

</body>
</html>
```

**74. WAP to print prime numbers between the two given numbers using arrow function. (C)**

```
<!DOCTYPE html>
<html>
<body>

Start: <input type="number" id="start">
End: <input type="number" id="end">
<button onclick="showPrimes()">Print</button>

<p id="out"></p>

<script>
let isPrime = n => {
    if (n < 2)
        return false;

    for (let i = 2; i <= n / 2; i++) {
        if (n % i === 0)
            return false;
    }
    return true;
};

let primesBetween = (a, b) => {
    let list = "";
    for (let i = a; i <= b; i++) {
        if (isPrime(i))
            list += i + " ";
    }
    return list;
};
</script>
```

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```
for (let i = a; i <= b; i++) {
    if (isPrime(i)){
        list += i + " ";
    }
}
return list;
};

function showPrimes() {
    let a = parseInt(document.getElementById("start").value);
    let b = parseInt(document.getElementById("end").value);

    document.getElementById("out").innerHTML =
        "Prime Numbers: " + primesBetween(a, b);
}
</script>

</body>
</html>
```