Practical - 4: Implementation of new ES-6 concepts in program

72.

WAP to check whether the given number is prime or not using arrow function. (A)

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

<input type="number" id="num" placeholder="Enter number">
<button onclick="checkPrime()">Check</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;
};

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";
}
</script>

</body>
</html>
```

73.

WAP to check whether the given number is palindrome or not using arrow function. (B)

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

<input type="number" id="num" placeholder="Enter number">
<button onclick="checkPal()">Check</button>

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

```
<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;
};

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>
```