



Society for Computer Technology & Research's
Pune Institute of Computer Technology
Department of Electronics and Telecommunication Engineering

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Practical No: 4 Write a JavaScript program to compare two strings using various methods.

Code:

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>String Comparison</title>
</head>
<body>
  <h1>String Comparison</h1>
  <label for="string1">String 1:</label>
  <input type="text" id="string1" placeholder="Enter first string">
  <br>
  <label for="string2">String 2:</label>
  <input type="text" id="string2" placeholder="Enter second string">
  <br>
  <button id="compareButton">Compare</button>
  <p id="result"></p>
  <script src="script.js"></script>
</body>
</html>
```

Script.js

```
const timerDisplay = document.getElementById("timerDisplay");
const minutesInput = document.getElementById("minutes");
const startButton = document.getElementById("startButton");

const countdownTimer = {
  intervalId: null,
  targetTime: 0,

  startCountdown(minutes) {
```



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```
const endTime = Date.now() + minutes * 60 * 1000;
this.targetTime = endTime;

this.intervalId = setInterval(() => {
    const remainingTime = this.targetTime - Date.now();

    if (remainingTime <= 0) {
        this.stopCountdown();
        timerDisplay.textContent = "Time's up!";
    } else {
        const minutes = Math.floor(remainingTime / (60 *
1000)).toString().padStart(2, "0");
        const seconds = Math.floor((remainingTime % (60 * 1000)) /
1000).toString().padStart(2, "0");
        timerDisplay.textContent = `${minutes}:${seconds}`;
    }
}, 1000);

startButton.disabled = true;
minutesInput.disabled = true;
},

stopCountdown() {
    clearInterval(this.intervalId);
    startButton.disabled = false;
    minutesInput.disabled = false;
}

});

startButton.addEventListener("click", () => {
    const minutes = parseInt(minutesInput.value, 10);
    if (isNaN(minutes) || minutes <= 0) {
        alert("Please enter a valid positive number of minutes.");
        return;
    }

    countdownTimer.startCountdown(minutes);
});
```



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Output:

