**Web\_lab\_04**

**Practice01- js**

const students = [

{

name: "Alice",

roll: 101,

subjects: {

bangla: 80,

english: 75,

cse115: 90,

mat101: 85

},

attendanceOver60: true

},

{

name: "Bob",

roll: 102,

subjects: {

bangla: 60,

english: 65,

cse115: 70,

mat101: 55

},

attendanceOver60: false

},

{

name: "Charlie",

roll: 103,

subjects: {

bangla: 78,

english: 82,

cse115: 88,

mat101: 80

},

attendanceOver60: true

}

];

// Loop using traditional for loop

for (let i = 0; i < students.length; i++) {

const student = students[i];

if (student.attendanceOver60) {

let totalScore = 0;

for (let subject in student.subjects) {

totalScore += student.subjects[subject];

}

console.log(Student ${student.name} (Roll: ${student.roll}) is eligible. Total Score: ${totalScore});

} else {

console.log(Student ${student.name} (Roll: ${student.roll}) is NOT eligible due to low attendance.);

}

}

**Practice-02**

create 100 boxes using div and these boxes will be in one column. odd number boxes background color will be orange and font color will be aqua .even number boxes background color will be green and font color will be white . for this give me html,css and javascript code where my file is saved as practice.html ,practice.css, practice.js

**Html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1" />

<title>100 Boxes</title>

<link rel="stylesheet" href="practice.css" />

</head>

<body>

<div id="container"></div>

<script src="practice.js"></script>

</body>

</html>

**Css**

**body {**

**margin: 20px;**

**font-family: Arial, sans-serif;**

**}**

**#container {**

**display: flex;**

**flex-direction: column;**

**gap: 5px;**

**max-width: 100px;**

**margin: 0 auto;**

**}**

**.box {**

**padding: 100px;**

**text-align: center;**

**font-weight: bold;**

**border-radius: 4px;**

**font-size: 16px;**

**user-select: none;**

**}**

**js**

**window.addEventListener('DOMContentLoaded', () => {**

**const container = document.getElementById('container');**

**for (let i = 1; i <= 100; i++) {**

**const box = document.createElement('div');**

**box.classList.add('box');**

**box.textContent = `Box ${i}`;**

**if (i % 2 === 1) {**

**// Odd boxes**

**box.style.backgroundColor = 'orange';**

**box.style.color = 'aqua';**

**} else {**

**// Even boxes**

**box.style.backgroundColor = 'green';**

**box.style.color = 'white';**

**}**

**container.appendChild(box);**

**}**

**});**