Subject code & Name	:	**CSE304 & Full Stack Development**	Practical	:	**1**	Academic Year	:	**2024-25**

Task - 1

Aim

Create a real-time voting system where users can vote on a poll and see the results updated in real-time using only JavaScript, HTML, and CSS.

Code

index.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Real-Time Voting System</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div class="poll">
    <h2>Vote for Your Favorite Language</h2>
    <button onclick="vote('JavaScript')">JavaScript</button>
    <button onclick="vote('Python')">Python</button>
    <button onclick="vote('Java')">Java</button>
  </div>
  <div class="results">
    <h2>Results</h2>
    <p>JavaScript: <span id="jsVotes">0</span></p>
    <p>Python: <span id="pythonVotes">0</span></p>
    <p>Java: <span id="javaVotes">0</span></p>
  </div>
  <script src="script.js"></script>
</body>
</html>
```

style.css

```css
body {
  font-family: Arial, sans-serif;
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  height: 100vh;
  margin: 0;
```

```css
    background-color: #f0f0f0;
}

.poll, .results {
    background-color: white;
    padding: 20px;
    margin: 10px;
    border-radius: 8px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    text-align: center;
}

button {
    padding: 10px 20px;
    margin: 5px;
    border: none;
    border-radius: 4px;
    background-color: #007bff;
    color: white;
    cursor: pointer;
}

button:hover {
    background-color: #0056b3;
}
```

script.js
```javascript
const votes = {
    JavaScript: 0,
    Python: 0,
    Java: 0
};

function vote(language) {
    votes[language]++;
    updateVotes();
}

function updateVotes() {
    document.getElementById('jsVotes').textContent = votes.JavaScript;
    document.getElementById('pythonVotes').textContent = votes.Python;
    document.getElementById('javaVotes').textContent = votes.Java;
}

setInterval(() => {
    const languages = ['JavaScript', 'Python', 'Java'];
```
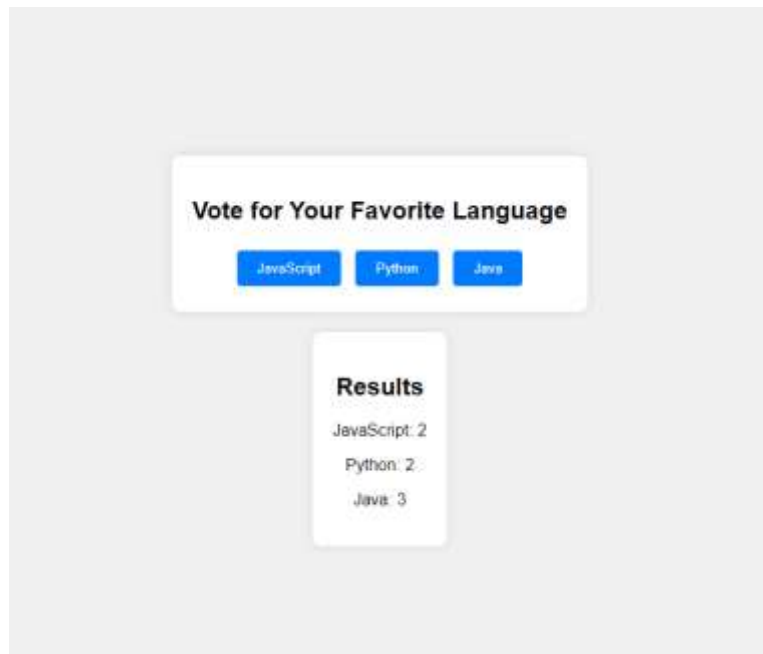
```
    const randomLanguage = languages[Math.floor(Math.random() * languages.length)];
    votes[randomLanguage]++;
    updateVotes();
}, 2000);
```

Output

1.1 voting system

Signature :