

Subject code & Name	:	CSE304 & Full Stack Development	Practical	:		Academic Year	:	2024-25
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## 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.

**HTML:** A simple poll interface with buttons to vote and display the results.

**CSS:** Styles the poll and results.

### JavaScript:

Defines a vote function to update the local votes.

Updates the vote counts in the UI.

Simulates real-time voting by randomly incrementing votes.

### 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>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**

```
body {
  font-family: 'Arial', sans-serif;
  background: linear-gradient(135deg, #74ebd5, #ACB6E5);
  margin: 0;
  padding: 0;
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
  flex-direction: column;
}

.poll, .results {
  background: #ffffff;
  padding: 30px;
  border-radius: 12px;
  box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
  margin-bottom: 20px;
  text-align: center;
  max-width: 400px;
  width: 100%;
}

h2 {
  color: #333;
  margin-bottom: 20px;
  font-size: 24px;
}

.poll button {
  background-color: #4CAF50;
  color: white;
  border: none;
  padding: 15px 30px;
  margin: 10px;
  border-radius: 5px;
  cursor: pointer;
  font-size: 16px;
  transition: background-color 0.3s, transform 0.3s;
}

.poll button:hover {
```

```
    background-color: #45a049;
    transform: scale(1.05);
}

.results p {
    font-size: 18px;
    color: #555;
    margin: 15px 0;
}

span {
    font-weight: bold;
    color: #333;
}

@media (max-width: 600px) {
    .poll, .results {
        width: 90%;
        padding: 20px;
    }

    .poll button {
        width: 100%;
        margin: 10px 0;
    }
}
```

### Script.js

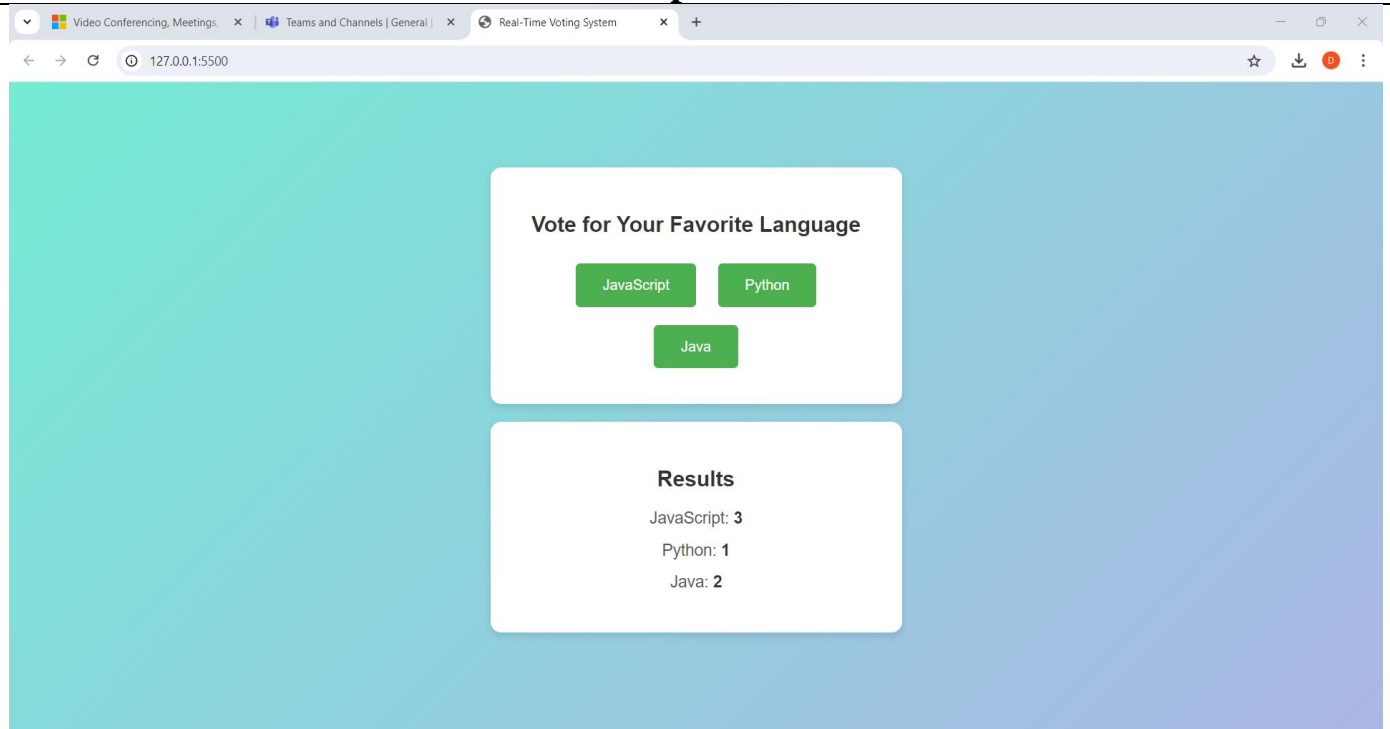
```
const votes = {
    JavaScript: 0,
    Python: 0,
    Java: 0
};

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 Page for Favorite Language

**Signature :**