Experiment 1

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Subject Name: Full Stack   Subject Code: 23CSP-339

1. Problem Title: To build an admin dashboard with dynamic theming using CSS Grid and JavaScript.
2. Problem Description:
   a. Create grid-based layout
   b. Implement dark/light mode toggle
   c. Design responsive sidebar
   d. Add data visualization placeholders
   e. Persist theme preference using localStorage
3. Hardware Requirements:
   a. Processor: Intel i3/ Ryzen 3 or higher.
   b. RAM: 4GB minimum.
   c. Display: 1366x768 resolution.
   Software Requiremnts:
   a. VS Code(Equipped with Live Server Extension)
   b. Any Browser
4. Entire Program:

```html
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8" />
  <title>title</title>
  <style>      <!—used for utilizing internal  css in html file-->
    :root {
      --primary-color: #2c3e50;
      --secondary-color: #3498db;
```

```
            }

        .bank-interface {              display: grid;
gap: 1rem;              max-width: 500px;
margin: 2rem auto;              padding: 2rem;
border-radius: 8px;              box-shadow: 0 2px
10px rgba(0,0,0,0.1);
        }

        @media (max-width: 600px) {
            .bank-interface {
padding: 1rem;
                margin: 1rem;
            }
        }
    </style>
</head>
<body>      <!—Main html code-->
    <div class="bank-interface">
        <h2>Account Balance: <span id="balance">$1000</span></h2>
        <input type="number" id="amount" placeholder="Enter amount" min="0">
        <div class="btn-group">
            <button onclick="deposit()">Deposit</button>
            <button onclick="withdraw()">Withdraw</button>
</div>
        <p id="message"></p>
    </div>
    <script>    <!—used for utilizing internal js-->          let balance =
1000;       function updateUI() {
document.getElementById('balance').textContent = `$${balance}`;
document.getElementById('amount').value = '';
        }

        function deposit() {              const amount =
Number(document.getElementById('amount').value);              if (amount >
0) {              balance += amount;
            updateUI();
        }
        }

        function withdraw() {              const amount =
Number(document.getElementById('amount').value);              if (amount >
0 && amount <= balance) {
            balance -= amount;
            updateUI();
        } else {
            document.getElementById('message').textContent = 'Invalid withdrawal amount!';
        }
        }
    </script>
```

```
</body>
</html>
```

5. Outputs:

Account Balance: $1000

Enter amount

Deposit Withdraw

i)   Initial balance

Account Balance: $1000

1000

Deposit Withdraw

ii)   Depositing 1000 more

Account Balance: $2000

Enter amount

Deposit Withdraw

iii)   New balance

6. Learning Outcome:

   a. I learnt how to link and connect the script.js and css file with the Html.
   b. I learnt how to work with html file.
   c. I learnt how to write js file and css.