

PRACTICAL – 5

AIM: 5.1 Design an user interface for simple sort program

5.2 Design an User interface User interest form, Making suggestion form

5.3 Design an user interface to check whether the year is leap year or not

5.4 Design an user interface for menu based Program

- Code of 5.1:**

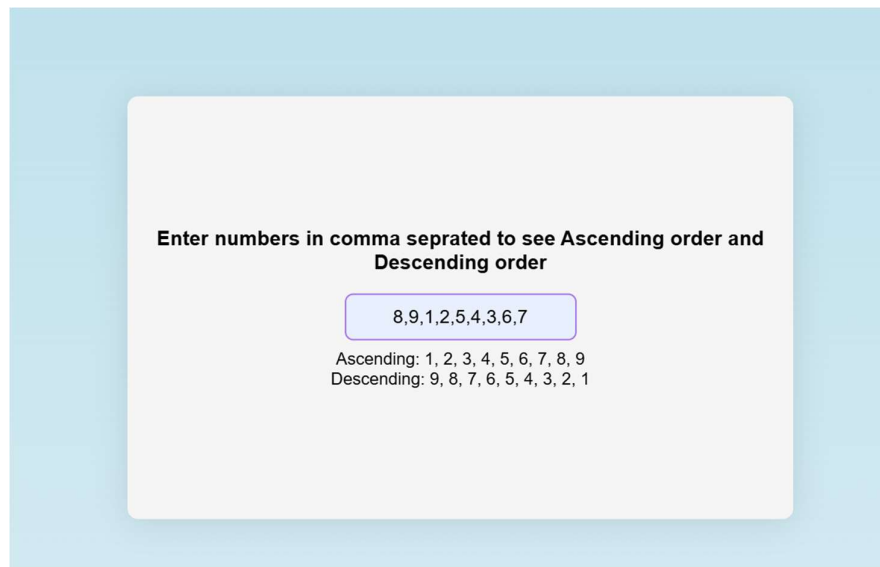
```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Count number</title>
<style>
html {
width: 100%;
height: 100%;
background: linear-gradient(rgba(173, 216, 230, 0.8), rgba(173, 216, 230, 0.7), rgba(173, 216, 230, 0.6),
rgba(173, 216, 230, 0.5));
background-repeat: no-repeat;
}
form {
height: 50%;
width: 45%;
display: flex;
flex-direction: column;
justify-content: center;
position: absolute;
top: 50%;
left: 50%;
transform: translate(-50%, -50%);
align-items: center;
padding: 20px;
font-family: Arial, sans-serif;
background-color: whitesmoke;
box-shadow: 0 4px 30px rgba(0, 0, 0, 0.1);
backdrop-filter: blur(10px);
border-radius: 10px;
box-sizing: border-box;
}
input[type="text"] {
width: 200px;
height: 25px;
text-align: center;
padding: 0.5rem;
margin: 0.5rem 0.25rem;
font-size: 1.1rem;
border-radius: 8px;
border: 1.5px solid #a777e3;
outline-color: #6e8efb;
}
.header_text {
font-size: 1.2rem;
font-weight: bold;
margin-bottom: 10px;
text-align: center;
}
</style>
```

```

</head>
<body>
  <form action="#" enctype="multipart/form-data">
    <label for="num" class="header_text">
      Enter numbers in comma seprated to see Ascending order and Descending order</label>
    <input type="text" id="num" name="num" placeholder="Enter number" />
    <label id="result2"></label>
    <label id="result3"></label>
  </form>
  <script>
    const num = document.getElementById("num");
    const result2 = document.getElementById("result2");
    const result3 = document.getElementById("result3");
    num.addEventListener("input", () => {
      const values = num.value.split(",").map(Number);
      const ascending = [...values].sort((a, b) => a - b);
      const descending = [...values].sort((a, b) => b - a);
      result2.textContent = "Ascending: " + ascending.join(", ");
      result3.textContent = "Descending: " + descending.join(", ");
    });
  </script>
</body>
</html>

```

- **Output:**



- **Code of 5.2: <!DOCTYPE html>**

```

<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Contact Us Form</title>
  <style>
    html {
      width: 100%;
      height: 100%;
      background: linear-gradient(rgba(173, 216, 230, 0.8), rgba(173, 216, 230, 0.7), rgba(173, 216, 230, 0.6),
      rgba(173, 216, 230, 0.5));
      background-repeat: no-repeat;
    }
  </style>

```

```

form {
  display: flex;
  justify-content: center;
  align-items: center;
  height: 70%;
  width: 35%;
  font-family: Arial, sans-serif;
  background-color: whitesmoke;
  box-shadow: 0 4px 30px rgba(0, 0, 0, 0.1);
  backdrop-filter: blur(10px);
  border-radius: 10px;
  padding: 20px;
  box-sizing: border-box;
  position: absolute;
  top: 50%;
  left: 50%;
  transform: translate(-50%, -50%);
}
input[type="text"], input[type="email"], input[type="tel"], textarea {
  width: 200px;
  height: 25px;
  text-align: center;
  padding: 0.5rem;
  margin: 0.5rem 0.25rem;
  font-size: 1.1rem;
  border-radius: 8px;
  border: 1.5px solid #a777e3;
  outline-color: #6e8efb;
}
select {
  width: 217px;
  margin: 0.5rem 0.25rem;
  padding: 0.5rem;
  font-size: 1.1rem;
  border-radius: 8px;
  border: 1.5px solid #a777e3;
  outline-color: #6e8efb;
}
button {
  padding: 0.55rem 1.5rem;
  margin: 0.5rem 0.5rem 1rem 0.5rem;
  font-size: 1.3rem;
  border: none;
  border-radius: 12px;
  background-color: #6e8efb;
  color: white;
  cursor: pointer;
  transition: background-color 0.3s ease;
}
button:hover { background-color: #a777e3; }
</style>
</head>
<body>
<form action="#" enctype="multipart/form-data">
  <table align="center" width="400px" height="400px">
    <caption>
      <h2>Contact US</h2>
    </caption>

```

```

<tr>
  <td><label for="name">Full Name:</label></td>
  <td>input type="text" name="name" id="name" placeholder="ex Arthur Morgan"/></td>
</tr>
<tr>
  <td><label for="email">Email:</label></td>
  <td>
    <input type="email" name="email" id="email" placeholder="example@gmail.com"/>
  </td>
</tr>
<tr>
  <td><label for="phone">Phone Number:</label></td>
  <td>
    <input type="tel" name="phone" id="phone" placeholder="+91 123456789"/>
  </td>
</tr>
<tr>
  <td><label for="Interests">Interests:</label></td>
  <td>
    <td colspan="2" style="width:100%; ">
      <textarea wrap="soft" name="Interests" id="Interests" placeholder="Your Interests"
style="width:100%;"></textarea>
    </td>
  </td>
</tr>
<tr>
  <td colspan="2" align="center">
    <button type="submit">Submit</button>
    <button type="reset">Reset</button>
  </td>
</tr>
</table>
</form>
</body>
</html>

```

- **Output:**

Contact US

Full Name:

Email:

Phone Number:

Interests:

- **Code of 5.3:**

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Leap Year Checker</title>
    <style>
      html {
        width: 100%;
        height: 100%;
        background: linear-gradient(rgba(173, 216, 230, 0.8),rgba(173, 216, 230, 0.7),rgba(173, 216, 230,
0.6),rgba(173, 216, 230, 0.5));
        background-repeat: no-repeat;
      }
      form {
        height: 40%;
        width: 35%;
        display: flex;
        flex-direction: column;
        justify-content: center;
        position: absolute;
        top: 50%;
        left: 50%;
        transform: translate(-50%, -50%);
        align-items: center;
        padding: 20px;
        font-family: Arial, sans-serif;
        background-color: whitesmoke;
        box-shadow: 0 4px 30px rgba(0, 0, 0, 0.1);
        backdrop-filter: blur(10px);
        border-radius: 10px;
        box-sizing: border-box;
      }
      input[type="text"] {
        width: 200px;
        height: 25px;
        text-align: center;
        padding: 0.5rem;
        margin: 0.5rem 0.25rem;
        font-size: 1.1rem;
        border-radius: 8px;
        border: 1.5px solid #a777e3;
        outline-color: #6e8efb;
      }
      .header_text {
        font-size: 1.2rem;
        font-weight: bold;
        margin-bottom: 10px;
        text-align: center;
      }
    </style>
  </head>
  <body>
    <form action="#" enctype="multipart/form-data">
      <label for="num" class="header_text">
        Enter year to Check Leap Year</label>
      <input type="text" id="num" name="num" placeholder="Enter year" />
    </form>
  </body>
</html>

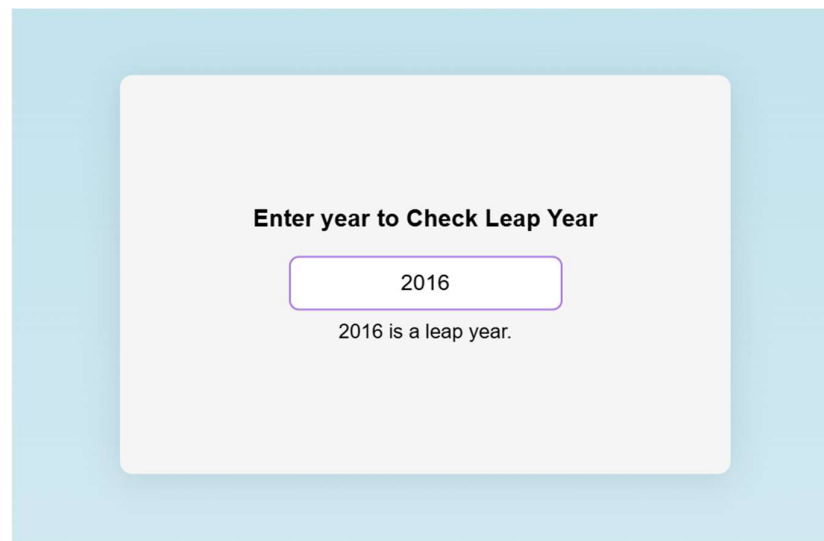
```

```

<label id="result2"></label>
</form>
<script>
  const num = document.getElementById("num");
  const result2 = document.getElementById("result2");
  num.addEventListener("input", () => {
    const year = parseInt(num.value);
    if (isNaN(year)) {
      result2.textContent = "Please enter a valid year.";
      return;
    }
    if ((year % 4 === 0 && year % 100 !== 0) || (year % 400 === 0)) {
      result2.textContent = year + " is a leap year.";
    } else {
      result2.textContent = year + " is not a leap year.";
    }
  });
</script>
</body>
</html>

```

- **Output:**



- **Code of 5.4:**

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Menu Based Program</title>
    <style>
      html {
        width: 100%;
        height: 100%;
        background: linear-gradient(rgba(173, 216, 230, 0.8), rgba(173, 216, 230, 0.7), rgba(173, 216, 230, 0.6),
        rgba(173, 216, 230, 0.5));
        background-repeat: no-repeat;
      }
      body { font-family: Arial, sans-serif; margin: 40px; }
      form {
        height: 50%;
        width: 45%;

```

```

display: flex;
flex-direction: column;
justify-content: center;
position: absolute;
top: 50%;
left: 50%;
transform: translate(-50%, -50%);
align-items: center;
padding: 20px;
font-family: Arial, sans-serif;
background-color: whitesmoke;
box-shadow: 0 4px 30px rgba(0, 0, 0, 0.1);
backdrop-filter: blur(10px);
border-radius: 10px;
box-sizing: border-box;
}
.header_text {
font-size: 1.2rem;
font-weight: bold;
margin-bottom: 10px;
text-align: center;
}
}
.menu { margin-bottom: 20px; display: flex; flex-direction: column; gap: 10px; }
button {
padding: 0.45rem 1.1rem;
font-size: 1rem;
border: none;
border-radius: 12px;
background-color: #6e8efb;
color: white;
cursor: pointer;
transition: background-color 0.3s ease;
}
button:hover { background-color: #a777e3; }
#output { margin-top: 30px; font-weight: bold; }
</style>
</head>
<body>
<form action="#" enctype="multipart/form-data">
  <!-- Design an user interface for menu based Program -->
  <h2>Menu</h2>
  <div class="menu">
    <button onclick="showOption(1)">Show Date</button>
    <button onclick="showOption(2)">Show Time</button>
    <button onclick="showOption(3)">About</button>
    <button onclick="showOption(0)">Exit</button>
  </div>
  <div id="output"></div>
</form>
<script>
function showOption(option) {
  const output = document.getElementById('output');
  switch(option) {
    case 1:
      output.textContent = "Today's date is: " + new Date().toLocaleDateString();
      break;
    case 2:
      output.textContent = "Current time is: " + new Date().toLocaleTimeString();

```

```
        break;
    case 3:
        output.textContent = "Basic web for Time show";
        break;
    case 0:
        output.textContent = "Thank you!!!";
        break;
    default:
        output.textContent = "";
    }
}
</script>
</body>
</html>
```

- **Output:**

