

IBM ADIT Internal Practical Assessment (SET-A)

Module -2 (Web Design and Development)

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Activities:

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1)

Aim : Write A java script program to sort them items of an array.

Sample array : var arr1[3,8,7,6,5,-4,-3,2,1];

Sample Output: -4,-3,1,2,3,4,5,6,7

Learning outcome: Able to understand JavaScript

List of Hardware/Software requirements:

1. Windows/Ubuntu OS 2
2. . Text Editors- Notepad++, VS Code, Sublime Text, etc.
3. 3. Web Browser (Chrome/Firefox)

Code/Program/Procedure (with comments);

```

<!DOCTYPE html>
<html>
<head>
  <title >Sorting Array in JavaScript</title>
  <style>

    body {
      font-family: Arial, sans-serif;
      font-size: 16px;
      line-height: 1.5;
      margin: 0;
      padding: 0;
      background-color: greenyellow;
    }
    .container {
      max-width: 800px;
      margin: 0 auto;
      padding: 20px;
      background-color: #fff;
      box-shadow: 0px 0px 10px rgba(0,0,0,0.3);
    }
    h1 {
      margin-bottom: 50px;
      color:blue;
      text-shadow: 30%;
    }
    table {
      width: 100%;
      border-collapse: collapse;
      margin-bottom: 20px;
      border-radius: 30%;
      color: red;
    }
    th, td {
      padding: 10px;
      border: 1px solid #ccc;
      text-align: left;
    }
    th {
      background-color: #f5f5f5;
    }
  </style>
</head>
<body>
  <div class="container">
    <h1 >Sorting Array in JavaScript</h1>

    <table>
      <thead>
        <tr>

```

```

        <th>Array before sorting</th>
        <th>Array after sorting</th>
    </tr>
</thead>
<tbody>
    <tr>
        <td id="before"></td>
        <td id="after"></td>
    </tr>
</tbody>
</table>

<script>
    // Declare an array
    var arr1 = [3, 8, 7, 6, 5, -4, -3, 2, 1];

    // Print the array before sorting
    document.getElementById("before").innerHTML = arr1.toString();

    // Sort the array
    arr1.sort(function(a, b) {
        return a - b;
    });

    // Print the array after sorting
    document.getElementById("after").innerHTML = arr1.toString();
</script>

</div>
</body>
</html>

```

Output:

Sorting Array in JavaScript

Array before sorting	Array after sorting
3,8,7,6,5,-4,-3,2,1	-4,-3,1,2,3,5,6,7,8

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Article Upload Form</title>
    <style>
      /* style the form for a better user experience */
      form {
        max-width: 600px;
        margin: 0 auto;
        padding: 20px;
        border: 2px solid #ccc;
        border-radius: 10px;
      }

      label {
        display: block;
        margin-bottom: 5px;
      }

      input[type="text"], select {
        display: block;
        width: 100%;
        padding: 10px;
        border-radius: 5px;
        border: 2px solid #ccc;
      }
    </style>
  </head>
  <body>
```

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      label {
        display: block;
        margin-bottom: 5px;
      }

      input[type="text"], select {
        display: block;
        width: 100%;
        padding: 10px;
        border-radius: 5px;
        border: 2px solid #ccc;
        margin-bottom: 20px;
      }

      input[type="submit"], input[type="reset"] {
        background-color: #4CAF50;
        border: none;
        color: white;
        padding: 10px 20px;
        text-align: center;
        text-decoration: none;
        display: inline-block;
        font-size: 16px;
        border-radius: 5px;
        margin-right: 10px;
        cursor: pointer;
      }

      input[type="reset"] {
        background-color: #f44336;
      }

      input[type="submit"]:hover, input[type="reset"]:hover {
        background-color: #3e8e41;
      }
    </style>
  </head>
  <body>
```

```
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    <meta charset="UTF-8">
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      input[type="reset"] {
        background-color: #f44336;
      }

      input[type="submit"]:hover, input[type="reset"]:hover {
        background-color: #3e8e41;
      }
    </style>
  </head>
  <body>
```

```

</style>
</head>
<body>
  <h2 style="text-align: center;color:red;">Article Upload Form</h2>

  <form style="color:lightblue;">
    <label for="file">File Path:</label>
    <input type="text" id="file" name="file" placeholder="Enter file path" required>

    <label for="author">Author Name:</label>
    <input type="text" id="author" name="author" placeholder="Enter author name" required>

    <label for="type">Type:</label>
    <select id="type" name="type" required>
      <option value="">--Select Type--</option>
      <option value="technical">Technical</option>
      <option value="literary">Literary</option>
      <option value="general">General</option>
    </select>

    <label for="topic">Subject Topic:</label>
    <select id="topic" name="topic" required>
      <option value="">--Select Topic--</option>
      <option value="programming">Programming</option>
      <option value="literature">Literature</option>
      <option value="science">Science</option>
    </select>

    <input type="submit" value="Submit">
    <input type="reset" value="Reset">
  </form>
</body>
</html>

```

Output;

Article Upload Form

File Path:

Author Name:

Type:

Subject Topic:

Form types :

Type:

--Select Type--

--Select Type--

Technical

Literary

General

Subject topics;

Subject Topic:

--Select Topic--

--Select Topic--

Programming

Literature

Science

File Path:

nafih

Author Name:

amd

Type:

Literary

Subject Topic:

Literature

Submit

Reset