E.V.K.Deepthi (AF0311771)

1.Create a webapge with Registration Form to accept the follwing details from user.
Firstname
Lastname
Mobile number
Email Id
Qualification (Drop down list) (BE, BTech, BSc, BCA)
Year of Completion Drop down List (2023, 2022, 2021, 2020)
Technicall Skills Drop down List (Web designing, Core Java, Mysql)
(Spring, spring Boot with REST API)
(core Java)
(javascript)
Intersted in Relocation (yes/No)
submit reset
read and submit the data need to be stored in javascript object and in the same page display using table.

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Registration Form</title>
<style>

body { font-family: Arial, sans-serif;
background-color: yellowgreen;
margin: 0;
padding: 0;
}
h1 {
text-align: center;
padding: 20px 0;
}
form { background-color: pink;
padding: 20px;
border-radius: 5px;
box-shadow: 0 2px 5px orange;
max-width: 600px;
```

```css
        margin: 0 auto;
        border: 2px solid yellow; }

        table {
        border-collapse: collapse;
        width: 100%;
        }
        th, td {
        border: 1px solid purple;
        padding: 8px;
        text-align: left;
        }
        </style>
        </head>
```
```html
        <body>

        <h2>Registration Form</h2>

        <form id="registrationForm">
        <label for="firstname">Firstname:</label>
        <input type="text" id="firstname" name="firstname" required><br><br>

        <label for="lastname">Lastname:</label>
        <input type="text" id="lastname" name="lastname" required><br><br>

        <label for="mobile">Mobile number:</label>
        <input type="text" id="mobile" name="mobile" required><br><br>

        <label for="email">Email Id:</label>
        <input type="email" id="email" name="email" required><br><br>

        <label for="qualification">Qualification:</label>
        <select id="qualification" name="qualification">
        <option value="BE">BE</option>
        <option value="MSc">MSc</option>
        <option value="BTech">BTech</option>
        <option value="BSc">BSc</option>
        <option value="BCA">BCA</option>
        </select><br><br>

        <label for="year">Year of Completion:</label>
        <select id="year" name="year">
        <option value="2023">2023</option>
```

```html
<option value="2022">2022</option>
<option value="2021">2021</option>
<option value="2020">2020</option>
</select><br><br>

<label for="skills">Technical Skills:</label>
<select id="skills" name="skills" multiple>
<option value="Web designing">Web designing</option>
<option value="Core Java">Core Java</option>
<option value="Mysql">Mysql</option>
<option value="Spring">Spring</option>
<option value="Spring Boot with REST API">Spring Boot with REST
API</option>
<option value="JavaScript">JavaScript</option>
</select><br><br>

<label for="relocation">Interested in Relocation:</label>
<input type="radio" id="relocationYes" name="relocation" value="Yes">Yes
<input type="radio" id="relocationNo" name="relocation"
value="No">No<br><br>

<input type="button" value="Submit" onclick="submitForm()">
<input type="reset" value="Reset">
</form>

<br><br>

<table id="displayTable">
<thead>
<tr>
<th>Firstname</th>
<th>Lastname</th>
<th>Mobile number</th>
<th>Email Id</th>
<th>Qualification</th>
<th>Year of Completion</th>
<th>Technical Skills</th>
<th>Interested in Relocation</th>
</tr>
</thead>
<tbody id="tableBody">
</tbody>
</table>
```

```html
<script>
function submitForm() {
const firstname = document.getElementById("firstname").value;
const lastname = document.getElementById("lastname").value;
const mobile = document.getElementById("mobile").value;
const email = document.getElementById("email").value;
const qualification = document.getElementById("qualification").value;
const year = document.getElementById("year").value;
const skills =
Array.from(document.getElementById("skills").selectedOptions).map(option
=> option.value);
const relocation =
document.querySelector('input[name="relocation"]:checked').value;

const newRow = document.getElementById("tableBody").insertRow();
newRow.insertCell().textContent = firstname;
newRow.insertCell().textContent = lastname;
newRow.insertCell().textContent = mobile;
newRow.insertCell().textContent = email;
newRow.insertCell().textContent = qualification;
newRow.insertCell().textContent = year;
newRow.insertCell().textContent = skills.join(', ');
newRow.insertCell().textContent = relocation;
}
</script>

</body>
</html>
```

OUTPUT:

Registration Form

Firstname	Lastname	Mobile number	Email Id	Qualification	Year of Completion	Technical Skills	Interested in Relocation
Deepthi	Ettamsethi	9874556321	deepthiettamsethi@gmail.com	MSc	2021	Core Java	Yes
Anusha	Ramdas	85964715239	anusha@gmail.com	BE	2022	Spring	Yes
Mercy	Veronica	8796325478	Mercy@gmail.com	BCA	2023	Web designing	Yes
Hari	prasad	8596472369	hari@gmail.com	BTech	2023	Web designing	No
poojitha	.M	9635874125	Poojitha@gmail.com	BSc	2023	Mysql	Yes

2. Create a webpage using table with CSS to write the advantages of Spring both with explanations.

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Advantages of Spring Boot</title>
<style>
body {
font-family: Arial, sans-serif;
background-color: paleturquoise;
margin: 0;
padding: 0;
}
h1 {
text-align: center;
padding: 20px 0;
}
table {
width: 80%;
margin: 20px auto;
border-collapse: collapse;
border: double;
border: 3px solid goldenrod;
box-shadow: 0 0 10px red;
}
th, td {
padding: 10px;
text-align: left;
}
th {
background-color: darkgrey;
}
tr:nth-child(even) {
background-color: burlywood;
}
</style>
</head>
<body>
<h1>Advantages of Spring Boot</h1>
<table>
```

```html
<tr>
<th>Advantage</th>
<th>Explanation</th>
</tr>
<tr>
<td>1. Rapid Development</td>
<td>Spring Boot simplifies and accelerates application development by providing default configurations and eliminating boilerplate code.</td>
</tr>
<tr>
<td>2. Microservices</td>
<td>Spring Boot is well-suited for building microservices-based architectures, making it easier to develop, deploy, and manage individual components.</td>
</tr>
<tr>
<td>3. Embedded Servers</td>
<td>Spring Boot includes embedded servers like Tomcat and Jetty, making it convenient to package and run applications as standalone JARs.</td>
</tr>
<tr>
<td>4. Opinionated Defaults</td>
<td>Spring Boot provides sensible defaults for various configurations, reducing the need for manual setup and allowing developers to focus on coding.</td>
</tr>
<tr>
<td>5. Auto Configuration</td>
<td>Spring Boot automatically configures components based on the project's classpath, minimizing the need for explicit configuration.</td>
</tr>
</table>
</body>
</html>
```

OUTPUT:

Advantages of Spring Boot

Advantage	Explanation
1. Rapid Development	Spring Boot simplifies and accelerates application development by providing default configurations and eliminating boilerplate code.
2. Microservices	Spring Boot is well-suited for building microservices-based architectures, making it easier to develop, deploy, and manage individual components.
3. Embedded Servers	Spring Boot includes embedded servers like Tomcat and Jetty, making it convenient to package and run applications as standalone JARs.
4. Opinionated Defaults	Spring Boot provides sensible defaults for various configurations, reducing the need for manual setup and allowing developers to focus on coding.
5. Auto Configuration	Spring Boot automatically configures components based on the project's classpath, minimizing the need for explicit configuration.