

## **R.Anusha(AF0311774)**

**Q1. Create a webpage with Registration Form to accept the following 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)**

**Technical Skills Drop down List (Web designing, Core Java, Mysql)**

**(Spring, spring Boot with REST API)**

**(core Java)**

**(javascript)**

**Interested 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.**

**Registration.html:**

```
<!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:#e0ede1cd;
```

```
margin: 0;
padding: 0;
}
h1 {
text-align: center;
padding: 20px 0;
}
form {
background-color: #5197e2;
padding: 20px;
border-radius: 5px;
box-shadow: 0 2px 5px rgba(144, 12, 12, 0.1);
max-width: 600px;
margin: 0 auto;
border: 2px solid rgba(167, 25, 25, 0.1); }
table {
border-collapse: collapse;
margin: right;
width: 100%;

}
th, td {
border: 1px solid black;
padding: 8px;
text-align: left;
}
</style>
</head>
<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="BTech">BTech</option>
<option value="BSc">BSc</option>
<option value="BCA">BCA</option>
<option value="MSc">MSc</option>
```

```
</select><br><br>
```

```
<label for="year">Year of Completion:</label>
<select id="year" name="year">
<option value="2023">2023</option>
<option value="2022">2022</option>
<option value="2021">2021</option>
<option value="2020">2020</option>
<option value="2019">2019</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>
```

```
<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: Naidu  
Lastname: Sai Prakash  
Mobile number: 09123456788  
Email Id: saiprakash@gmail.com  
Qualification: BSc  
Year of Completion: 2022  
Technical Skills: Web designing, Core Java, Mysql, Spring  
Interested in Relocation: ☒ Yes ☐ No  
Submit Reset

Firstname	Lastname	Mobile number	Email Id	Qualification	Year of Completion	Technical Skills	Interested in Relocation
Ramdasu	Anusha	9182873889	anu252171@gmail.com	MSc	2021	Core Java	Yes
Ettamsethi	Deepthi	9912257928	deepthiettamsethi@gmail.com	MSc	2021	Core Java	Yes
Potnuri	Sujatha	09123456789	sujiopotnuri@gmail.com	BSc	2019	Mysql	Yes
Potnuri	Bharathi	09123456789	Bharupotnuri@gmail.com	BTech	2020	JavaScript	Yes
Naidu	Sai Prakash	09123456788	saiprakash@gmail.com	BSc	2022	Web designing	Yes

## Q2. Create a webpage using table with Css to write the advantages of Spring boot with explanations.

### Advantages.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:#e0ede1cd;
}
table {
border-collapse: collapse;
width: 80%;
margin: auto;
border: 1px solid #cc2727;
}
th, td {
border: 1px solid #b71010;
padding: 8px;
}
th {
background-color: #d82121;
}
</style>
</head>
<body>

<h1>Advantages of Spring Boot</h1>

<table>
<tr>
<th>Advantage</th>
<th>Explanation</th>
</tr>
<tr>
<td>1. Rapid Application Development</td>
<td>Spring Boot simplifies the configuration and setup of Spring applications, allowing developers to focus on writing business logic rather than managing infrastructure.</td>
</tr>
<tr>
```

## <td>2. Microservices Support</td>

<td>Spring Boot is well-suited for building microservices-based architectures, providing tools and patterns for creating independently deployable services.</td>

</tr>

<tr>

## <td>3. Embedded Servers</td>

<td>Spring Boot includes embedded servers like Tomcat, Jetty, and Undertow, making it easy to create standalone and executable web applications.</td>

</tr>

<tr>

## <td>4. Auto Configuration</td>

<td>Spring Boot's auto-configuration feature analyzes the classpath and automatically configures beans based on libraries and components present in the project.</td>

</tr>

<tr>

## <td>5. Production-Ready Defaults</td>

<td>Spring Boot provides sensible default configurations for production environments, including security settings and performance optimizations.</td>

</tr>

<tr>

## <td>6. Opinionated Defaults</td>

<td>Spring Boot follows certain conventions and best practices, helping developers make consistent choices and reducing decision fatigue.</td>

</tr>

<tr>

## <td>7. Simplified Dependency Management</td>

<td>Spring Boot's dependency management simplifies handling of library versions, reducing conflicts and improving overall project stability.</td>

</tr>

<tr>

## <td>8. Spring Boot Actuator</td>

<td>Actuator provides production-ready features like health checks, metrics, and monitoring, facilitating easier management and monitoring of applications.</td>

</tr>

</table>

</body>

</html>

# Output:

The screenshot shows a web browser window with two tabs: 'Advantages of Spring Boot' and 'Registration Form'. The address bar shows the URL '127.0.0.1:5500/Advantages.html'. The page content is titled 'Advantages of Spring Boot' and features a table with 8 rows. The table has two columns: 'Advantage' and 'Explanation'. The advantages listed are: 1. Rapid Application Development, 2. Microservices Support, 3. Embedded Servers, 4. Auto Configuration, 5. Production-Ready Defaults, 6. Opinionated Defaults, 7. Simplified Dependency Management, and 8. Spring Boot Actuator. The Windows taskbar at the bottom shows the system clock as 11:32 AM on 26-08-2023, with a temperature of 30°C and 'Mostly cloudy' weather.

Advantage	Explanation
1. Rapid Application Development	Spring Boot simplifies the configuration and setup of Spring applications, allowing developers to focus on writing business logic rather than managing infrastructure.
2. Microservices Support	Spring Boot is well-suited for building microservices-based architectures, providing tools and patterns for creating independently deployable services.
3. Embedded Servers	Spring Boot includes embedded servers like Tomcat, Jetty, and Undertow, making it easy to create standalone and executable web applications.
4. Auto Configuration	Spring Boot's auto-configuration feature analyzes the classpath and automatically configures beans based on libraries and components present in the project.
5. Production-Ready Defaults	Spring Boot provides sensible default configurations for production environments, including security settings and performance optimizations.
6. Opinionated Defaults	Spring Boot follows certain conventions and best practices, helping developers make consistent choices and reducing decision fatigue.
7. Simplified Dependency Management	Spring Boot's dependency management simplifies handling of library versions, reducing conflicts and improving overall project stability.
8. Spring Boot Actuator	Actuator provides production-ready features like health checks, metrics, and monitoring, facilitating easier management and monitoring of applications.