Practical 1A: Hands-on HTML and CSS (Biodata Form)

Aim: To demonstrate form tags.

Question: Design a web page for biodata information using form tags.

Concepts:

Tag	Attribute(s)	Purpose / Function
<form>	method="post"	Defines the form and sends data using the POST method
<input>	type="text", placeholder="..."	Accepts plain text input (e.g., First Name, Last Name)
<input>	type="date"	Provides a calendar to select Date of Birth
<input>	type="text", maxlength="10"	Phone number field restricted to 10 characters
<input>	type="url", placeholder="...", style="..."	For entering and validating a portfolio URL with custom width
<input>	type="radio", name="gender", value="..."	Used for selecting one gender option; grouped by name
<select>		Creates a dropdown for marital status
<option>		Defines selectable options within the dropdown
<input>	type="range"	A slider control to rate skill level
<textarea>	minlength, maxlength, style, placeholder	Accepts multi-line input with a size limit and styling
<input>	type="submit", value="...", style="..."	A styled submit button to send the form data

Code:

index.html

```html
<html>
<head>
<title>Practical 2A - Biodata Form</title>
</head>
<body>
<h1>Enter Biodata: </h1>
<form method="post">
    <p><b>First Name:</b> <input type="text" placeholder="John"></p>
    <p><b>Last Name:</b> <input type="text" placeholder="Smith"></p>
    <p><b>Date Of Birth:</b> <input type="date"> </p>
    <p><b>Phone Number:</b> <input type="text" maxlength="10"></p>
    <p><b>Portfolio:</b> <input type="url" placeholder="For eg.
https://www.myportfolio.com/home" style="width: 300px"></p>
    <p><b>Gender:</b></p>
      <p><input type="radio" name="gender" value="Male">Male 🧍</p>
      <p><input type="radio" name="gender" value="Female">Female 🧍</p>
      <p><input type="radio" name="gender" value="NA">Non Binary 🌈</p>
      <p><input type="radio" name="gender" value="NA">Prefer Not Say 🤦</p>
<p><b>Maritial status:
  <select>
    <option>Married</option>
    <option>Single</option>
    <option>Bachlor</option>
  </select>
</p>
<p><b>Skill Rating: </b><input type="range"></p>
<p><b>Describe yourself: </b>
  <br><textarea minlength="0" maxlength="500" style="height:100px;width:300px"
placeholder="Tell us more about yourself!"></textarea></p>
<input type="submit" value="Submit" style="width: 100px; height:
50px;background-color: #0ba33e; color: white; font-size:20">
</form >
</body>
</html>
```

Output:

Enter Biodata:

First Name: John

Last Name: Smith

Date Of Birth: dd - mm - yyyy

Phone Number:

Portfolio: For eg. https://www.myportfolio.com/home

Gender:

○ Male 🚹

○ Female 🚺

○ Non Binary 🌈

○ Prefer Not Say 🤔

Maritial status: Married ⌄

Skill Rating:

Describe yourself:

Tell us more about yourself!

Submit

Conclusion:

Through this practical, I learnt how to build a structured HTML form using various input types like text, date, URL, radio buttons, dropdowns, and sliders. I also understood how to use attributes like placeholder, maxlength, name, and inline styling, and how the POST method is used to submit form data securely without data going into the url.