Styled Form:

<!DOCTYPE html>

<html>

<head>

<title>Styled Form</title>

<style>

/\* CSS for form elements \*/

form {

width: 400px;

margin: 20px auto;

}

div {

margin-bottom: 15px;

}

.title {

float: left;

width: 100px;

text-align: right;

padding-right: 10px;

}

input[type="text"],

input[type="email"],

input[type="radio"] {

font-size: 16px;

padding: 5px;

border: 1px solid #ccc;

border-radius: 5px;

width: 200px;

}

input[type="submit"] {

background-color: #4CAF50;

color: white;

padding: 10px 20px;

border: none;

border-radius: 5px;

cursor: pointer;

}

/\* CSS for form layout \*/

body {

font-family: Arial, sans-serif;

}

h1 {

text-align: center;

}

.container {

width: 800px;

margin: 0 auto;

}

</style>

</head>

<body>

<div class="container">

<h1>Registration Form</h1>

<form action="example.php" method="post">

<div>

<label for="name" class="title">Name:</label>

<input type="text" id="name" name="name" required />

</div>

<div>

<label for="email" class="title">Email:</label>

<input type="email" id="email" name="email" required />

</div>

<div>

<span class="title">Gender:</span>

<input type="radio" name="gender" id="male" value="M" />

<label for="male">Male</label>

<input type="radio" name="gender" id="female" value="F" />

<label for="female">Female</label>

</div>

<div>

<input type="submit" value="Register" id="submit" />

</div>

</form>

</div>

</body>

</html>

------------------------------------------------------------------------

<!DOCTYPE html>

<html>

<head>

<title> Form Example </title>

<style>

/\* Global styles \*/

body {

font-family: Arial, sans-serif;

background-color: #f2f2f2;

}

/\* Form container \*/

.form-container {

max-width: 600px;

margin: 0 auto;

background-color: #ffffff;

padding: 30px;

border-radius: 10px;

box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.2);

}

/\* Form title \*/

.form-title {

font-size: 24px;

font-weight: bold;

text-align: center;

margin-bottom: 30px;

text-transform: uppercase;

}

/\* Form fields \*/

.form-group {

margin-bottom: 20px;

}

.form-label {

display: block;

font-weight: bold;

margin-bottom: 10px;

}

.form-input {

width: 100%;

padding: 10px;

border: 1px solid #ccc;

border-radius: 5px;

}

/\* Form select dropdown \*/

.form-select {

width: 100%;

padding: 10px;

border: 1px solid #ccc;

border-radius: 5px;

appearance: none;

background-color: #f9f9f9;

}

/\* Form checkboxes \*/

.form-checkbox-group {

margin-bottom: 15px;

}

.form-checkbox-group label {

display: block;

margin-bottom: 5px;

}

/\* Form submit button \*/

.form-submit {

text-align: center;

}

.form-submit button {

padding: 12px 20px;

border: none;

border-radius: 5px;

background-color: #007bff;

color: #ffffff;

cursor: pointer;

transition: background-color 0.3s;

}

.form-submit button:hover {

background-color: #0056b3;

}

</style>

</head>

<body>

<div class="form-container">

<h1 class="form-title">Advanced Form</h1>

<form>

<div class="form-group">

<label class="form-label" for="name">Name:</label>

<input class="form-input" type="text" id="name" placeholder="Enter your name">

</div>

<div class="form-group">

<label class="form-label" for="email">Email:</label>

<input class="form-input" type="email" id="email" placeholder="Enter your email">

</div>

<div class="form-group">

<label class="form-label" for="country">Country:</label>

<select class="form-select" id="country">

<option value="">Select country</option>

<option value="USA">USA</option>

<option value="Canada">Canada</option>

<option value="UK">UK</option>

</select>

</div>

<div class="form-checkbox-group">

<label class="form-label">Interests:</label>

<label><input type="checkbox" name="interests" value="coding"> Coding</label>

<label><input type="checkbox" name="interests" value="design"> Design</label>

<label><input type="checkbox" name="interests" value="photography"> Photography</label>

</div>

<div class="form-submit">

<button type="submit">Submit</button>

</div>

</form>

</div>

</body>

</html>

------------------------------------------------------------------------

Input pseudo classes:

:hover: Selects the input element when the mouse pointer is over it.

:focus: Selects the input element when it has received focus.

:disabled: Selects the input element when it is disabled.

:checked: Selects a radio button or checkbox input element when it is checked.

:required: Selects the input element when it is a required field.

:valid: Selects the input element when its value satisfies its validation constraints.

:invalid: Selects the input element when its value does not satisfy its validation constraints.

:placeholder-shown: Selects the input element when its placeholder text is visible.

:read-only: Selects the input element when it is read-only.

:out-of-range: Selects the input element when its value is outside the defined range.

<!DOCTYPE html>

<html>

<head>

<title>Advanced CSS Example</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<form action="example.php" method="post">

<div>

<label for="name" class="title">Name:</label>

<input type="text" id="name" name="name" />

</div>

<div>

<label for="email" class="title">Email:</label>

<input type="email" id="email" name="email" />

</div>

<div>

<label for="checkbox">Checkbox:</label>

<input type="checkbox" id="checkbox" name="checkbox" />

</div>

<div>

<input type="submit" value="Submit" id="submit" />

</div>

</form>

</body>

</html>

/\* Styles for the form \*/

form {

display: flex;

flex-direction: column;

align-items: center;

margin-top: 100px;

}

/\* Styles for the input fields \*/

div {

margin: 10px;

}

input[type="text"],

input[type="email"],

input[type="checkbox"] {

font-size: 16px;

padding: 8px;

border: 1px solid #ccc;

border-radius: 5px;

}

/\* Styles for the title labels \*/

.label {

display: inline-block;

width: 100px;

text-align: right;

margin-right: 10px;

}

/\* Styles for the pseudo-classes \*/

input:hover {

background-color: #f5f5f5;

}

input:focus {

border-color: #007bff;

box-shadow: 0 0 5px #007bff;

}

input:disabled {

background-color: #f2f2f2;

color: #999999;

}

input:checked {

background-color: #007bff;

color: #ffffff;

}

input:required {

border-color: #ff0000;

}

input:valid {

border-color: #00cc00;

}

input:invalid {

border-color: #ff0000;

}

input::placeholder-shown {

font-style: italic;

color: #999999;

}

input:read-only {

background-color: #f5f5f5;

}

input:out-of-range {

border-color: #ff0000;

}

/\* Styles for the submit button \*/

input[type="submit"] {

padding: 10px 20px;

background-color: #007bff;

color: #fff;

border: none;

border-radius: 5px;

cursor: pointer;

}

input[type="submit"]:hover {

background-color: #0056b3;

}

<!DOCTYPE html>

<html>

<head>

<title>Input Pseudo-classes Example</title>

<link rel="stylesheet" href="styles.css">

<style>

/\* CSS styles for the input element \*/

input {

font-size: 16px;

padding: 10px;

border: 1px solid #ccc;

border-radius: 5px;

}

/\* CSS styles for the input pseudo-classes \*/

input:hover {

background-color: #f0f0f0;

}

input:focus {

border-color: #4d90fe;

box-shadow: 0 0 5px #4d90fe;

}

input:disabled {

opacity: 0.6;

cursor: not-allowed;

}

input:checked {

background-color: #4caf50;

color: #fff;

}

input:required {

border-color: red;

}

input:valid {

border-color: green;

}

input:invalid {

border-color: red;

}

input::placeholder-shown {

font-style: italic;

}

input:read-only {

background-color: #f0f0f0;

cursor: not-allowed;

}

input:out-of-range {

background-color: #ff8080;

}

</style>

</head>

<body>

<h2>Input Pseudo-classes Example</h2>

<label for="name">Name:</label>

<input type="text" id="name" name="name" required placeholder="Enter your name">

<br>

<label for="email">Email:</label>

<input type="email" id="email" name="email" required placeholder="Enter your email address">

<br>

<input type="checkbox" id="agree" name="agree" required>

<label for="agree">I agree to the terms and conditions</label>

<br>

<input type="submit" value="Submit" disabled>

</body>

</html>

------------------------------------------------------------------------

User action Pseudo classes:

:active: Selects an element when it is being activated or clicked by the user.

:hover: Selects an element when the user hovers the mouse pointer over it.

:focus: Selects an element when it receives focus, such as when it is clicked or tabbed into.

:visited: Selects a link element that has been visited by the user.

:link: Selects a link element that has not been visited by the user.

:target: Selects an element that is the target of the current URL fragment identifier (e.g., a specific section of a page when accessed through a URL with an anchor).

:enabled: Selects form elements that are enabled and can be interacted with.

:disabled: Selects form elements that are disabled and cannot be interacted with.

:checked: Selects a radio button or checkbox input element that is checked.

<!DOCTYPE html>

<html>

<head>

<title>User Action Pseudo-classes Example</title>

<style>

/\* CSS styles for the button element \*/

button {

padding: 10px 20px;

background-color: #007bff;

color: #fff;

border: none;

border-radius: 5px;

font-size: 16px;

cursor: pointer;

}

/\* CSS styles for the user action pseudo-classes \*/

button:hover {

background-color: #0056b3;

}

button:focus {

outline: none;

box-shadow: 0 0 5px rgba(0, 123, 255, 0.5);

}

button:active {

background-color: #003c80;

}

</style>

</head>

<body>

<h2>User Action Pseudo-classes Example</h2>

<button>Click Me</button>

</body>

</html>

Questions:

1) Create a registration form with fields for username, email, and password.

2) Implement CSS styling for the registration form's input fields.

3) How can you style the submit button of the registration form?

4) Create a registration form with a background image.

5) Implement CSS styling for the checkbox in the registration form.

6) create and align the registration form to the center of the page?

7) Create a registration form with checkboxes for accepting terms and conditions.

8) How can you style the registration form input fields when they are read-only?

9) Create CSS only registration form with custom styles for input fields in a specific range.

10) How can you style the registration form input fields when they are checked radio buttons?