

Experiment 6

Code:

```
<html lang="en">
<head>
    <title>Personal Portfolio - Contact Form</title>
    <style>
        body.dark {
            background-color: #121212;
            color: white;
        }
        .error {
            color: red;
            font-size: 14px;
        }
        input {
            display: block;
            margin-bottom: 5px;
        }
    </style>
</head>
<body>

    <h2>Contact Form</h2>

    <!-- Contact Form -->
    <form id="contactForm">
        <input type="text" id="email" placeholder="Enter Email">
        <span id="emailError" class="error"></span>

        <input type="text" id="phone" placeholder="Enter Phone Number">
        <span id="phoneError" class="error"></span>

        <input type="password" id="password" placeholder="Enter Password">
        <span id="passwordError" class="error"></span>

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

    <h3 id="storedData"></h3>

    <!-- Dark mode toggle -->
    <button id="themeBtn">Toggle Dark Mode</button>

    <!-- External JavaScript -->
    <script src="script.js"></script>

</body>
</html>
```

```
let form = document.getElementById("contactForm");
let email = document.getElementById("email");
let phone = document.getElementById("phone");
let password = document.getElementById("password");

let emailError = document.getElementById("emailError");
let phoneError = document.getElementById("phoneError");
let passwordError = document.getElementById("passwordError");

let themeBtn = document.getElementById("themeBtn");

form.addEventListener("submit", function (e) {
    e.preventDefault();

    let valid = true;

    if (!email.value.includes("@")) {
        emailError.innerText = "Invalid email address";
        valid = false;
    } else {
        emailError.innerText = "";
    }

    if (phone.value.length !== 10 || isNaN(phone.value)) {
        phoneError.innerText = "Phone must be 10 digits";
        valid = false;
    } else {
        phoneError.innerText = "";
    }

    if (password.value.length < 6) {
        passwordError.innerText = "Password too short";
        valid = false;
    } else {
        passwordError.innerText = "";
    }

    if (valid) {
        localStorage.setItem("email", email.value);
        localStorage.setItem("phone", phone.value);
        localStorage.setItem("password", password.value);
        alert("Data Saved Successfully");
    }
});

themeBtn.addEventListener("click", function () {
    document.body.classList.toggle("dark");

    if (document.body.classList.contains("dark")) {
        localStorage.setItem("theme", "dark");
    } else {
        localStorage.setItem("theme", "light");
    }
});

window.onload = function () {
    let theme = localStorage.getItem("theme");
    if (theme === "dark") {
        document.body.classList.add("dark");
    }

    let storedEmail = localStorage.getItem("email");
    let storedPhone = localStorage.getItem("phone");

    if (storedEmail && storedPhone) {
        document.getElementById("storedData").innerText =
            "Stored Email: " + storedEmail + " | Phone: " + storedPhone;
    }
};
```

Output:

The image shows two side-by-side browser windows. Both windows have a title bar labeled "Personal Portfolio - Contact Form" and a file path "C:/Users/reuel/Desktop/". The left window has a white background and displays the following form fields: "Enter Email", "Enter Phone Number", "Enter Password", a "Submit" button, and a "Toggle Dark Mode" button. The right window has a black background and displays the same form fields, with the text color changed to a light color for readability against the dark background.

The image shows a single browser window with a dark theme. On the left, there is a "Contact Form" section with input fields for "Email" (mediacellolnc@gmail.com), "Phone Number" (9706859649), and "Password" (represented by a series of dots). Below these is a "Submit" button and a "Toggle Dark Mode" button. On the right, a modal dialog box is displayed with the heading "This page says" and the message "Data Saved Successfully". In the bottom right corner of the dialog box is a blue "OK" button.