

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 displays three sequential browser window screenshots of a web application titled "Personal Portfolio - Contact Form".

The first screenshot shows the form in a light theme. It includes a title "Contact Form", three input fields labeled "Enter Email", "Enter Phone Number", and "Enter Password", a "Submit" button, and a "Toggle Dark Mode" button.

The second screenshot shows the same form in a dark theme, with the input fields and buttons appearing in light colors against a dark background.

The third screenshot shows the form in the dark theme after submission. The input fields are now populated with the values "mediacellolnc@gmail.com", "9706859649", and a masked password ".....". A success message "This page says Data Saved Successfully" is displayed in a dark overlay on the right, with an "OK" button. The "Submit" button is disabled, and the "Toggle Dark Mode" button remains at the bottom.