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| Practical - 3 |

**INPUT:**

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| <!DOCTYPE html>  <html lang="en">  <head>    <meta charset="UTF-8">    <title>Student Registration Form</title>    <style>      body {        font-family: Arial, sans-serif;        margin: 30px;      }      .error {        color: red;        font-size: 0.9em;      }      input.error-input {        border: 2px solid red;        background-color: #ffe6e6;      }      .success {        margin-top: 20px;        padding: 10px;        border: 1px solid green;        background-color: #e6ffe6;      }    </style>  </head>  <body>    <h2>Student Registration Form</h2>    <form id="registrationForm" onsubmit="return validateForm()">      <label>Full Name:        <input type="text" id="fullname" name="fullname" required>        <span class="error" id="fullnameError"></span>      </label><br><br>      <label>Student ID:        <input type="text" id="studentid" name="studentid" required pattern="[A-Za-z0-9]+">        <span class="error" id="studentidError"></span>      </label><br><br>      <label>Email:        <input type="email" id="email" name="email" required>        <span class="error" id="emailError"></span>      </label><br><br>      <label>Username:        <input type="text" id="username" name="username" required>        <span class="error" id="usernameError"></span>      </label><br><br>      <label>Password:        <input type="password" id="password" name="password" required>        <span class="error" id="passwordError"></span>      </label><br><br>      <label>Confirm Password:        <input type="password" id="confirmpassword" name="confirmpassword" required>        <span class="error" id="confirmpasswordError"></span>      </label><br><br>      <label>Phone Number:        <input type="text" id="phone" name="phone" required>        <span class="error" id="phoneError"></span>      </label><br><br>      <button type="submit">Register</button>    </form>    <div id="output" class="success"></div>    <script>      const nameRegex = /^[a-zA-Z\s]+$/;      const usernameRegex = /^[a-zA-Z0-9]{5,15}$/;      const passwordRegex = /^(?=.\*[A-Za-z])(?=.\*\d)(?=.\*[@$!%\*?&]).{8,}$/;      const phoneRegex = /^[0-9]{10}$/;      function validateField(id, pattern, message) {        const input = document.getElementById(id);        const errorSpan = document.getElementById(id + "Error");        if (!pattern.test(input.value.trim())) {          errorSpan.textContent = message;          input.classList.add("error-input");          return false;        } else {          errorSpan.textContent = "";          input.classList.remove("error-input");          return true;        }      }      function validatePasswords() {        const password = document.getElementById("password").value;        const confirm = document.getElementById("confirmpassword").value;        const errorSpan = document.getElementById("confirmpasswordError");        if (password !== confirm) {          errorSpan.textContent = "Passwords do not match.";          document.getElementById("confirmpassword").classList.add("error-input");          return false;        } else {          errorSpan.textContent = "";          document.getElementById("confirmpassword").classList.remove("error-input");          return true;        }      }      function validateForm() {        const validName = validateField("fullname", nameRegex, "Only letters and spaces allowed.");        const validUsername = validateField("username", usernameRegex, "5–15 alphanumeric characters.");        const validPassword = validateField("password", passwordRegex, "Min 8 chars with letter, digit, special char.");        const validPhone = validateField("phone", phoneRegex, "Must be exactly 10 digits.");        const passwordsMatch = validatePasswords();        if (validName && validUsername && validPassword && validPhone && passwordsMatch) {          showOutput();          return false;        }        return false;      }      function showOutput() {        const output = document.getElementById("output");        const name = document.getElementById("fullname").value;        const id = document.getElementById("studentid").value;        const email = document.getElementById("email").value;        const username = document.getElementById("username").value;        const phone = document.getElementById("phone").value;        output.innerHTML = `          <h3>Registration Successful!</h3>          <p><strong>Name:</strong> ${name}</p>          <p><strong>Student ID:</strong> ${id}</p>          <p><strong>Email:</strong> ${email}</p>          <p><strong>Username:</strong> ${username}</p>          <p><strong>Phone:</strong> ${phone}</p>        `;      }      document.getElementById("fullname").addEventListener("blur", () =>        validateField("fullname", nameRegex, "Only letters and spaces allowed.")      );      document.getElementById("username").addEventListener("blur", () =>        validateField("username", usernameRegex, "5–15 alphanumeric characters.")      );      document.getElementById("password").addEventListener("blur", () =>        validateField("password", passwordRegex, "Min 8 chars with letter, digit, special char.")      );      document.getElementById("phone").addEventListener("blur", () =>        validateField("phone", phoneRegex, "Must be exactly 10 digits.")      );      document.getElementById("confirmpassword").addEventListener("blur", validatePasswords);    </script>  </body>  </html> |

**OUTPUT:**

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