<?php

function sanitize\_input($data) {

$data = trim($data);

$data = stripslashes($data);

$data = htmlspecialchars($data);

return $data;

}

$name = $email = $password = "";

$nameErr = $emailErr = $passwordErr = "";

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

if (empty($\_POST["name"])) {

$nameErr = "Name is required";

} else {

$name = sanitize\_input($\_POST["name"]);

}

if (empty($\_POST["email"])) {

$emailErr = "Email is required";

} else {

$email = sanitize\_input($\_POST["email"]);

if (!filter\_var($email, FILTER\_VALIDATE\_EMAIL)) {

$emailErr = "Invalid email format";

}

}

if (empty($\_POST["password"])) {

$passwordErr = "Password is required";

} else {

$password = sanitize\_input($\_POST["password"]);

}

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>PHP Form with Password Sanitization</title>

</head>

<body>

<h2>PHP Form with Password Input</h2>

<form method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]); ?>">

Name: <input type="text" name="name" value="<?php echo htmlspecialchars($name); ?>">

<span style="color: red;">\* <?php echo $nameErr; ?></span><br><br>

Email: <input type="text" name="email" value="<?php echo htmlspecialchars($email); ?>">

<span style="color: red;">\* <?php echo $emailErr; ?></span><br><br>

Password: <input type="password" name="password">

<span style="color: red;">\* <?php echo $passwordErr; ?></span><br><br>

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

</form>

<?php

if ($\_SERVER["REQUEST\_METHOD"] == "POST" && empty($nameErr) && empty($emailErr) && empty($passwordErr)) {

echo "<h3>Sanitized Input:</h3>";

echo "<strong>Name:</strong> " . htmlspecialchars($name) . "<br>";

echo "<strong>Email:</strong> " . htmlspecialchars($email) . "<br>";

echo "<strong>Password:</strong> (Hidden for security reasons)<br>";

}

?>

</body>

</html>