🧑‍💻 Optimized Registration Form (Using Functions)

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Bootstrap Registration Form</title>
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">
</head>
<body class="bg-light">

    <div class="container mt-5">
        <div class="row justify-content-center">
            <div class="col-md-6">
                <div class="card">
                    <div class="card-header bg-primary text-white text-center">
                        <h4>Registration Form</h4>
                    </div>
                    <div class="card-body">
                        <form id="registrationForm">
                            <!-- Name -->
                            <div class="mb-3">
                                <label class="form-label">Full Name</label>
                                <input type="text" class="form-control" id="fullName" placeholder="Enter your full name">
                                <small id="nameError" class="text-danger"></small>
                            </div>

                            <!-- Email -->
                            <div class="mb-3">
                                <label class="form-label">Email</label>
                                <input type="email" class="form-control" id="email" placeholder="Enter your email">
                                <small id="emailError" class="text-danger"></small>
                            </div>

                            <!-- Password -->
```

```html
                                    <div class="mb-3">
                                        <label class="form-label">Password</label>
                                        <input type="password" class="form-control"
id="password" placeholder="Enter your password">
                                        <small id="passwordError" class="text-
danger"></small>
                                    </div>

                                    <!-- Country -->
                                    <div class="mb-3">
                                        <label class="form-label">Country</label>
                                        <select class="form-select" id="country">
                                            <option value="">Select Country</option>
                                            <option value="USA">USA</option>
                                            <option value="UK">UK</option>
                                            <option value="Canada">Canada</option>
                                        </select>
                                        <small id="countryError" class="text-
danger"></small>
                                    </div>

                                    <!-- Terms Checkbox -->
                                    <div class="mb-3">
                                        <input type="checkbox" id="terms">
                                        <label for="terms">I agree to the terms and
conditions</label>
                                        <small id="termsError" class="text-danger d-
block"></small>
                                    </div>

                                    <!-- Buttons -->
                                    <button type="submit" class="btn btn-primary w-
100">Register</button>
                                    <button type="reset" class="btn btn-secondary w-
100 mt-2">Reset</button>
                                </form>
                            </div>
                        </div>
                        <p id="resetMessage" class="text-center mt-3 text-success">
</p>
                    </div>
                </div>
            </div>

    <script>
        // Selecting form fields
```

```javascript
        const form = document.getElementById("registrationForm");
        const fullName = document.getElementById("fullName");
        const email = document.getElementById("email");
        const password = document.getElementById("password");
        const country = document.getElementById("country");
        const terms = document.getElementById("terms");

        // Error messages
        const nameError = document.getElementById("nameError");
        const emailError = document.getElementById("emailError");
        const passwordError = document.getElementById("passwordError");
        const countryError = document.getElementById("countryError");
        const termsError = document.getElementById("termsError");
        const resetMessage = document.getElementById("resetMessage");

        // Function to validate name
        function validateName() {
            if (fullName.value.length < 3) {
                nameError.innerText = "Name must be at least 3 characters";
                return false;
            }
            nameError.innerText = "";
            return true;
        }

        // Function to validate email
        function validateEmail() {
            const emailPattern = /^[^ ]+@[^ ]+\.[a-z]{2,3}$/;
            if (!email.value.match(emailPattern)) {
                emailError.innerText = "Invalid email format";
                return false;
            }
            emailError.innerText = "";
            return true;
        }

        // Function to validate password
        function validatePassword() {
            if (password.value.length < 6) {
                passwordError.innerText = "Password must be at least 6
characters";
                return false;
            }
            passwordError.innerText = "";
            return true;
        }
```

```javascript
// Function to validate country selection
function validateCountry() {
    if (country.value === "") {
        countryError.innerText = "Please select a country";
        return false;
    }
    countryError.innerText = "";
    return true;
}

// Function to validate terms agreement
function validateTerms() {
    if (!terms.checked) {
        termsError.innerText = "You must agree to the terms";
        return false;
    }
    termsError.innerText = "";
    return true;
}

// Function to validate entire form on submit
function validateForm(event) {
    event.preventDefault(); // Prevent form submission

    let isValid = validateName() && validateEmail() &&
validatePassword() && validateCountry() && validateTerms();

    if (isValid) {
        alert("🎉 Registration Successful!");
        form.reset();
    }
}

// Function to show reset message
function showResetMessage() {
    resetMessage.innerText = "🔄 Form has been reset!";
    setTimeout(() => resetMessage.innerText = "", 3000);
}

// Event Listeners
fullName.addEventListener("input", validateName);
email.addEventListener("blur", validateEmail);
password.addEventListener("input", validatePassword);
country.addEventListener("change", validateCountry);
form.addEventListener("submit", validateForm);
```

```
        form.addEventListener("reset", showResetMessage);
    </script>

</body>
</html>
```