**Task # 1:**

Write *jQuery* to validate the following fields of the Registration page.

1. **First Name** (Name should contains alphabets and the length should not be less than 6 characters).
2. **E-mail id** (should not contain any invalid and must follow the standard pattern name@domain.com)
3. **Mobile Number** (Phone number should contain 10 digits only).
4. **Last Name and Address** (should not be Empty).

**Procedure/Program:**

**<!DOCTYPE html>**

**<html>**

**<head>**

**<title>Registration Form</title>**

**<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>**

**<script> $(document).ready(function() {**

**$("#basic-form").validate();**

**});**

**</script>**

**</head>**

**<body>**

**<form id="basic-form" action="" method="post">**

**<div>**

**<label for="fname">First Name <span>(required, at least 3 characters)</span></label>**

**<input id="fname" name="fname" minlength="3" type="text" required>**

**</div>**

**<div>**

**<label for="lname">Last Name <span>(required)</span></label>**

**<input id="lname" name="lname" minlength="1" type="text" required>**

**</div>**

**<div>**

**<label for="email">E-Mail <span>(required)</span></label>**

**<input id="email" type="email" name="email" required>**

**</div>**

**<div>**

**<label for="mob">Mobile Number <span>(required)</span></label>**

**<input id="mobile" type="tel" name="mobile" maxlength ="5" required>**

**</div>**

**<div>**

**<input class="submit" type="submit" value="SUBMIT">**

**</div>**

**</form>**

**</body>**

**</html>**

**Task # 2:**

Create a jQuery program of light bulbs. We have considered two bulb images in our screen (1st bulb image will glow while the other image will be in off state). Once user clicks the first image, it should be disabled and other should be enabled. Do the same for clicking on the second image.

**Procedure/Program:**

**<!DOCTYPE html>**

**<html>**

**<head>**

**<title>Light Bulbs</title>**

**<style>**

**.bulb {**

**width: 100px;**

**cursor: pointer;**

**}**

**.on {**

**background-image: url('bulb\_on.png');**

**}**

**.off {**

**background-image: url('bulb\_off.png');**

**}**

**</style>**

**</head>**

**<body>**

**<div id="bulb1" class="bulb on"></div>**

**<div id="bulb2" class="bulb off"></div>**

**<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>**

**<script>**

**$(document).ready(function() {**

**// Click event for bulb1**

**$('#bulb1').click(function() {**

**$(this).removeClass('on').addClass('off'); // Disable bulb1**

**$('#bulb2').removeClass('off').addClass('on'); // Enable bulb2**

**});**

**// Click event for bulb2**

**$('#bulb2').click(function() {**

**$(this).removeClass('on').addClass('off'); // Disable bulb2**

**$('#bulb1').removeClass('off').addClass('on'); // Enable bulb1**

**});**

**});**

**</script>**

**</body>**

**</html>**