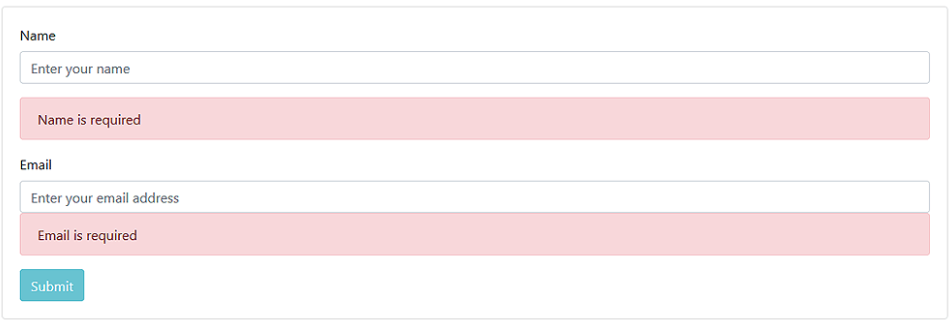
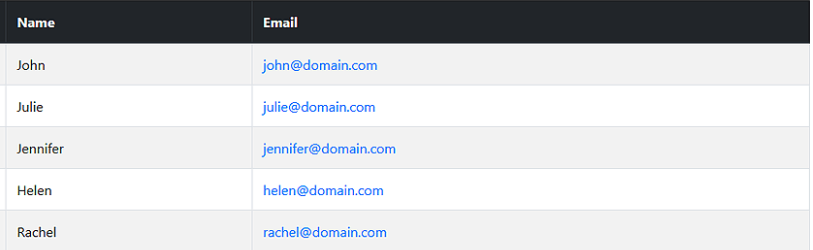
1. Create an HTML page to validate Name and Email. (Use Bootstrap, JQuery wherever applicable)



2. If the name and email entered are correct it should dynamically add the details to the below table. The table should look like below:



Answer:-

<!DOCTYPE html>

<html lang="en">

<meta charset="UTF-8" />

<head>

    <link rel="stylesheet" href="http://code.jquery.com/ui/1.10.3/themes/smoothness/jquery-ui.css" />

    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"

        integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T" crossorigin="anonymous" />

    <style>

        th {

            background-color: rgb(7, 12, 7);

            color: white;

        }

        table,

        th,

        td {

            border: 1px solid #cdcdcd;

        }

        tr:nth-child(even) {

            background-color: #f2f2f2;

        }

    </style>

    <script src="http://code.jquery.com/jquery-1.9.1.js"></script>

    <script src="http://code.jquery.com/ui/1.10.3/jquery-ui.js"></script>

    <script>

        $(document).ready(function () {

            $("#div1").attr("hidden", false);

            $("#div2").attr("hidden", false);

            $("#name").keyup(valid);

            $("#email").keyup(valid2);

            function valid() {

                var lengthName = $("#name").val().length;

                if (lengthName) {

                    $("#div1").attr("hidden", true);

                } else {

                    $("#div1").attr("hidden", false);

                }

            }

            function valid2() {

                var lengthEmail = $("#email").val().length;

                if (lengthEmail) {

                    $("#div2").attr("hidden", true);

                } else {

                    $("#div2").attr("hidden", false);

                }

            }

            $("#btn1").click(function () {

                var name = $("#name").val();

                var email = $("#email").val();

                var pattern = /^\b[A-Z0-9.\_%-]+@[A-Z0-9.-]+\.[A-Z]{2,4}\b$/i;

                if (!pattern.test(email)) {

                    $("#div2").attr("hidden", false)

                    $("#span1").text("not Valid")

                }

                if (name && pattern.test(email)) {

                    var row = "<tr><td>" + name + "</td><td>" + email + "</td></tr>";

                    $(".add-row").append(row);

                }

                event.preventDefault();

            });

        });

    </script>

</head>

<body>

    <form class="form-group">

        <div class="container" style="padding: 3%">

            <div class="row">

                <div class="col-md-12">

                    Name

                    <input type="text" id="name" class="form-control" placeholder="Enter your name" />

                </div>

            </div>

            <br />

            <div id="div1" class="alert alert-danger" role="alert">

                Name is Required

            </div>

            <div class="row">

                <div class="col-md-12">

                    Email

                    <input type="email" class="form-control" placeholder="Enter your email address" id="email" />

                </div>

            </div>

            <br />

            <div id="div2" class="alert alert-danger" role="alert">

                Email is <span id="span1">required</span>

            </div>

            <div class="row">

                <div class="btn-toolbar">

                    <div class="col-md-12 col-md-offset-2">

                        <button id="btn1" class="btn btn-info">Submit</button>

                    </div>

                </div>

            </div>

            <br>

            <div class="row">

                <div class="col-md-8 col-md-offset-3">

                    <table class="add-row" border="2px" align="center" width="70%">

                        <th>Name</th>

                        <th>Email</th>

                    </table>

                </div>

            </div>

        </div>

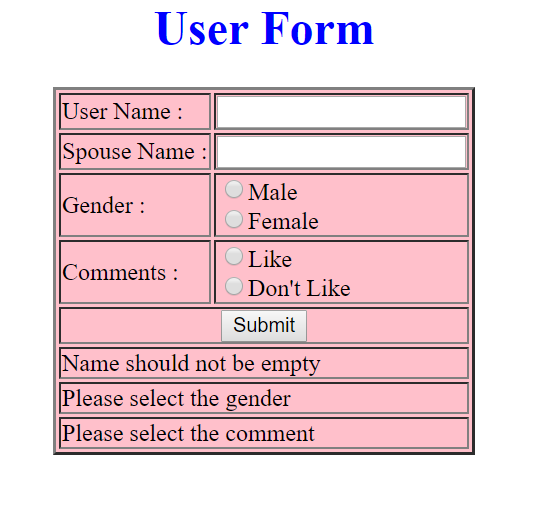
    </form>

</body>

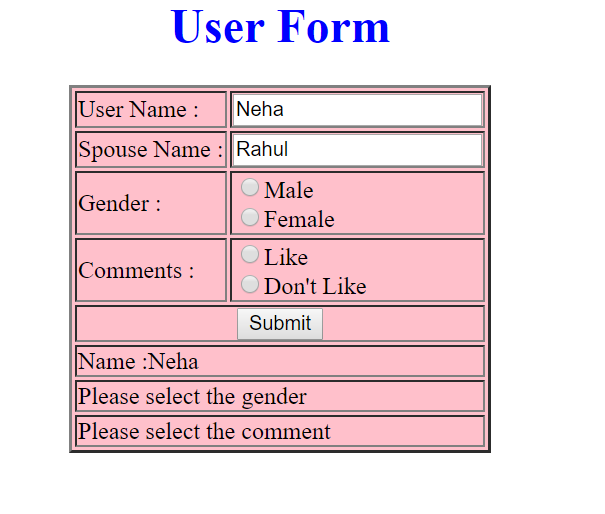
</html>

1. Create a user form like below and perform the validation as shown in the below images:

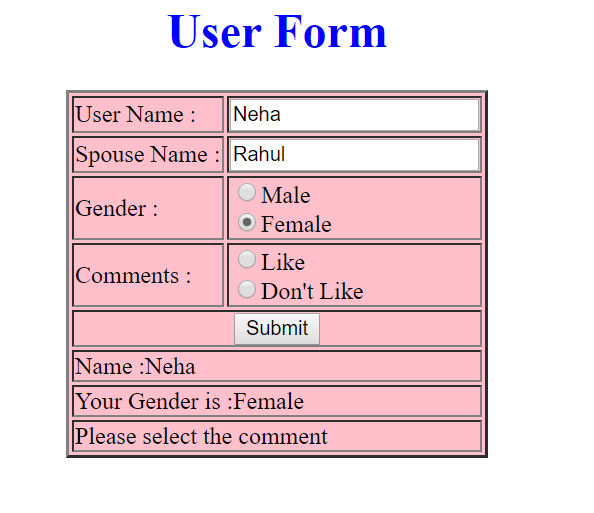
**Image - 1-4**



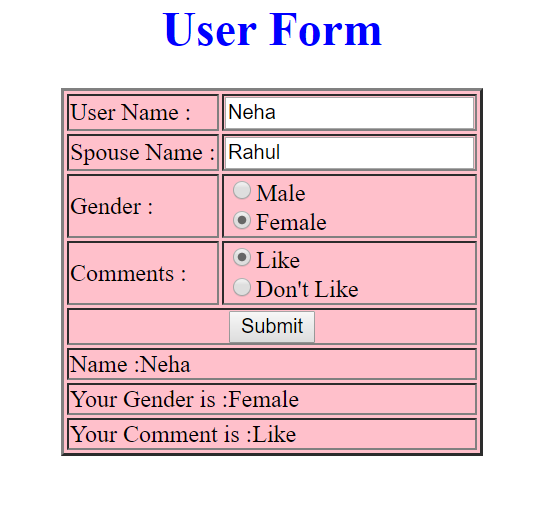
**Image - 2-4**



**Image - 3-4**



**Image - 4-4 (Success)**



Answer:-

<!DOCTYPE html>

<html lang="en">

<meta charset="UTF-8" />

<head>

    <link rel="stylesheet" href="http://code.jquery.com/ui/1.10.3/themes/smoothness/jquery-ui.css" />

    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"

        integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T" crossorigin="anonymous" />

    <script src="http://code.jquery.com/jquery-1.9.1.js"></script>

    <script src="http://code.jquery.com/ui/1.10.3/jquery-ui.js"></script>

    <script>

        $(document).ready(function () {

            $("#div1").text("Name shouldn't be empty")

            $("#div2").text("Please Select the Gender")

            $("#div3").text("Please Select the Comment: ")

            $("#submit").click(function () {

                var username = $("#username").val();

                var gender = $('input[name=radio1]:checked').val();

                var comment = $('input[name=radio2]:checked').val();

                if (username) {

                    $("#div1").html("Name: " + username)

                }

                if (gender) {

                    $("#div2").html("Your Gender is: " + gender)

                }

                if (comment) {

                    $("#div3").html("Your Comment is: " + comment)

                }

            });

        });

    </script>

    <style>

        h1 {

            color: blue;

        }

    </style>

</head>

<body text="black">

    <h1 align="center">User Form</h1>

    <table border="10" bgcolor="pink" align="center" cellspacing="10" cellpadding="10">

        <form>

            <tr>

                <td>User Name</td>

                <td><input type="text" name="username" id="username" /></td>

            </tr>

            <tr>

                <td>Spouse Name</td>

                <td><input type="text" name="spname" id="spname" /></td>

            </tr>

            <tr>

                <td>Gender</td>

                <td>

                    <input type="radio" name="radio1" id="gender" value="Male" />Male

                    <input type="radio" name="radio1" id="gender" value="Female" />Female

                </td>

            </tr>

            <tr>

                <td>Comments</td>

                <td>

                    <input type="radio" name="radio2" id="comments" value="Like" />Like

                    <input type="radio" name="radio2" id="comments" value="Dislike" />Don't Like

                </td>

            </tr>

            <tr>

                <td align="center" colspan="2">

                    <input type="button" value="Submit" id="submit" onclick="check()" />

                </td>

            </tr>

            <tr>

                <td align="left" colspan="2">

                    <div id="div1"></div>

                </td>

            </tr>

            <tr>

                <td align="left" colspan="2">

                    <div id="div2"></div>

                </td>

            </tr>

            <tr>

                <td align="left" colspan="2">

                    <div id="div3"></div>

                </td>

            </tr>

        </form>

    </table>

</body>

</html>

4.

CyberShoppe, Inc. sells toys and books in the United States. It has three branches in different parts of the country. Currently, the three branches maintain data on their local computer systems. The IT manager at CyberShoppe has identified that a centralized data repository on the products sold through its   
e-commerce site is required. The data from all branches must be collated and housed in a centralized location. This data must be made available to the Accounts and Sales sections at the individual branches, regardless of the hardware and software platforms being used at the branches.

1. In addition, the sales personnel require access to the data using palmtops and cellular phones. The product details of CyberShoppe consist of the product name, a brief description, the price, and the available quantity on hand. A product ID uniquely identifies each product. Create a responsive web page to capture these details.
2. The various products at CyberShoppe are purchased from their suppliers through their branch offices. The purchase order details are sent to the head office to generate reports. To ensure that the data can be accessed across all hardware and software used at the head office, the branch offices. On receiving this data, the head office needs to verify that all branches have specified the required information in a consistent format.

The purchase order details sent by the branch offices include the product ID, order ID, date of the purchase order, name and address of the supplier, quantity ordered, and price per unit.

1. The product Id must start with P following by 5 digits
2. The order Id must start with OD followed by 4 digits
3. The remaining fields are mandatory.
4. The look and feel should be consistent throughout the website.

Use jQuery, Bootstrap, JavaScript .

Answer:-

<html>

<head>

    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"

        integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T" crossorigin="anonymous">

    <link rel="stylesheet" href="http://code.jquery.com/ui/1.10.3/themes/smoothness/jquery-ui.css" />

    <script src="http://code.jquery.com/jquery.js"></script>

    <script src="http://code.jquery.com/ui/1.10.3/jquery-ui.js"></script>

    <script>

        $(document).ready(function () {

            $("#productID").keyup(productValidation);

            $("#orderID").keyup(orderValidation);

            $("#date").datepicker();

            $("#date").blur(dateValidation);

            $("#address").keyup(addressValidation);

            $("#price").keyup(priceValidation);

            $("#quantity").keyup(quantityValidation);

            $("#span1").text("mandatory");

            $("#span2").text("mandatory");

            $("#span3").text("mandatory");

            $("#span4").text("mandatory");

            $("#span5").text("mandatory");

            $("#span6").text("mandatory");

            function productValidation() {

                var pID = $("#productID").val();

                if (pID.startsWith("P")) {

                    if (pID.length == 6) {

                        if (($.isNumeric(pID.substring(2, 6)))) {

                            $("#span1").text("");

                        }

                    }

                    else {

                        $("#span1").text("It must be followed by 5 digits")

                    }

                }

                else {

                    $("#span1").text("Product Id must Starts with P");

                }

            }

            function orderValidation() {

                var oID = $("#orderID").val();

                if (oID.startsWith("OD")) {

                    if (oID.length == 6) {

                        if (($.isNumeric(oID.substring(3, 6)))) {

                            $("#span2").text("");

                        }

                    }

                    else {

                        $("#span2").text("It must be followed by 4 digits")

                    }

                }

                else {

                    $("#span2").text("Order Id must Starts with OD");

                }

            }

            function dateValidation() {

                $("#span3").text("");

            }

            function addressValidation() {

                if ($("#address").val()) {

                    $("#span4").text("")

                }

            }

            function priceValidation() {

                if ($("#price").val()) {

                    $("#span5").text("")

                }

            }

            function quantityValidation() {

                if ($("#quantity").val()) {

                    $("#span6").text("")

                }

            }

        });

    </script>

</head>

<body>

    <div class="container">

        <div class="row">

            <div class="col-lg-12 control-label">

                <label class="control-label">Product ID</label>

                <input type="text" class="form-control" placeholder="Enter the Product ID" id="productID">

            </div>

        </div>

        <span id="span1" class="alert text-danger"></span>

        <div class="row">

            <div class="col-lg-12 control-label">

                <label class="control-label">Order ID</label>

                <input class="form-control " placeholder="Enter your Order ID" id="orderID">

            </div>

        </div>

        <span id="span2" class="alert text-danger"></span>

        <div class="row">

            <div class="col-lg-12 control-label">

                <label class="control-label">Date of the purchase order</label>

                <input class="form-control " placeholder="Enter your date of the purchase order" id="date">

            </div>

        </div>

        <span id="span3" class="alert text-danger"></span>

        <div class="row">

            <div class="col-lg-12 control-label">

                <label class="control-label">Address</label>

                <input class="form-control " placeholder="Enter your Address" id="address">

            </div>

        </div>

        <span id="span4" class="alert text-danger"></span>

        <div class="row">

            <div class="col-lg-12 control-label">

                <label class="control-label">Price </label>

                <input class="form-control " placeholder="Enter your Price" id="price">

            </div>

        </div>

        <span id="span5" class="alert text-danger"></span>

        <div class="row">

            <div class="col-lg-12 control-label">

                <label class="control-label">No of Quantity </label>

                <input class="form-control " placeholder="Enter your Quantity" id="quantity">

            </div>

        </div>

        <span id="span6" class="alert text-danger"></span>

        <div class="row">

            <div class="col-md-4 col-md-offset-4">

                <br> <button type="button" class="btn btn-primary" id="button">Order</button>

            </div>

        </div>

    </div>

</body>

</html>