**navigation.js**

function createHeaderFooter() {

    var h1 = document.createElement("h1");

    var header = document.createElement("header");

    var footer = document.createElement("footer");

    var nav = document.createElement("nav");

    var ul = document.createElement("ul");

    var li;

    h1.innerHTML = "Vactions";

    header.appendChild(h1);

    li = getli("chapter1.html", "New Orleans Vacation");

    ul.appendChild(li);

    li = getli("chapter2.html", "Kansas City Vacation");

    ul.appendChild(li);

    li = getli("chapter3.html", "Quintana Roo Vacation");

    ul.appendChild(li);

    li = getli("chapter4.html", "Quintana Roo Vacation 2");

    ul.appendChild(li);

    li = getli("chapter5.html", "Top 10 Popular Tourist Attractions");

    ul.appendChild(li);

    li = getli("chapter6.html", "About Popular Tourist Attractions");

    ul.appendChild(li);

    li = getli("chapter7.html", "Quintana Roo Vacation 3");

    ul.appendChild(li);

    li = getli("homework9.html", "Belize Cruise Package Calculator");

    ul.appendChild(li);

    nav.appendChild(ul);

    header.appendChild(nav);

    document.body.insertBefore(header, document.body.childNodes[0]);

    nav = document.createElement("nav");

    ul = document.createElement("ul");

    li = getli("#", "Top");

    ul.appendChild(li);

    nav.appendChild(ul);

    footer.appendChild(nav);

    document.body.appendChild(footer);

}

function getli(ref, label) {

    var li = document.createElement("li");

    var a = document.createElement("a");

    a.setAttribute("href", ref);

    a.innerHTML = label;

    li.appendChild(a);

    return li;

}

**homework10.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="utf-8">

    <meta name="author" content="Edgar Cerna">

    <title>Belize Cruise Package Calculator</title>

    <link rel="stylesheet" href="../style/belize-cruise.css">

    <script>

        var form;               // html element

        var totalPrice;

        // This function invoked by user click on Calculate button

        function calc(dataForm) {

            var table;

            var row;

            var monthIndex;

            table = document.getElementById('cruiseInfo');

            row = table.insertRow(table.rows.length);

            form = dataForm;

            computeData();

            row.insertCell(0).innerHTML = form.elements['adults'].value;

            row.insertCell(1).innerHTML = form.elements['children'].value;

            row.insertCell(2).innerHTML = form.elements['numDays'].value;

            monthIndex = form.elements['months'].selectedIndex;

            row.insertCell(3).innerHTML =

                document.getElementsByTagName('option')[monthIndex].innerHTML;

            row.insertCell(4).innerHTML = totalPrice;

        }

        function computeData() {

            var adults;

            var children;

            var month;

            const ADULT\_PRICE = 100;

            const CHILD\_PRICE = 65;

            var basePrice;

            adults = form.elements['adults'].value;

            children = form.elements['children'].value;

            month = form.elements['months'].selectedIndex + 1;

            basePrice =  (adults \* ADULT\_PRICE) + (children \* CHILD\_PRICE);

            console.log('Base Price', basePrice);

            totalPrice = calcMonthDiff(basePrice, month);

            console.log('Total price', totalPrice);

        }

        function calcMonthDiff(basePrice, month) {

            if (month >= 3 && month <= 7) {

                basePrice \*= 1.6;

            }

            return basePrice;

        }

    </script>

    <script src="navigation.js"></script>

</head>

<body onload="createHeaderFooter();">

    <h2>Belize Cruise Package Calculator</h2>

    <form>

        Number of Adults:

        <input id="adults" type="text" size="5" value="2">

        Number of Children:

        <input id="children" type="text" size="5" value="3"><br>

        <label for="numDays">How many days do you plan to stay?:</label>

        <input id="numDays" type="text" size="5" value="5"><br>

        <label for="months">Month:</label>

        <select id="months" name="months" multiple>

            <option>Jan</option> <option>Feb</option> <option>Mar</option>

            <option>Apr</option> <option>May</option> <option>Jun</option>

            <option>Jul</option> <option>Aug</option> <option>Sep</option>

            <option>Oct</option> <option>Nov</option> <option>Dec</option>

        </select>

        <input type="button" value="Calculate" onclick="calc(this.form)">

    </form>

    <h2>Calculation Results:</h2>

    <div class="center">

        <table id="cruiseInfo">

            <tr>

                <th># of Adults &nbsp;</th>

                <th># of Children &nbsp;</th>

                <th># of Days &nbsp;</th>

                <th>Month &nbsp;</th>

                <th>Estimate Total Cost</th>

            </tr>

        </table>

    </div>

    <h2>Welcome & Instructions:</h2>

    <p>

        Welcome to the Belize Cruise Package Calculator! In this applciation you

        can see what you should expect to pay when booking one of our cruises.

    </p>

    <p>

        Begin by entering the number of Adults, Children, and days you plan to stay.

        From there select the month you would like to attend during. (Keep in mind

        our busiest time of year is the Spring so there will be an upchare durring

        those months March - July)

</body>

</html>

