

WebTech Lab DA-2

Binayak Bishnu

20BIT0155

Qs1

1. A parking garage charges a \$2.00 minimum fee to park for up to three hours. The garage charges an additional \$0.50 per hour for each hour or part thereof in excess of three hours. The maximum charge for any given 24-hour period is \$10.00. Assume that no car parks for longer than 24 hours at a time. Write a script that calculates and displays the parking charges for each customer who parked a car in this garage yesterday. You should input from the user the hours parked for each customer. The program should display the charge for the current customer and should calculate and display the running total of yesterday's receipts. The program should use the function calculate-Charges to determine the charge for each customer. Use a prompt dialog to obtain the input from the user.

```
<!DOCTYPE html>
<html>

<head>
    <title>Exercise 1</title>
</head>

<body style="margin:0%;padding:0%">
    <div align="center" style="padding-top:1%;">
        <form>
            <input type="button" value="Print receipt" id="receiptbtn"
name="receipt_button" onClick="btn()" />
        </form>
    </div>

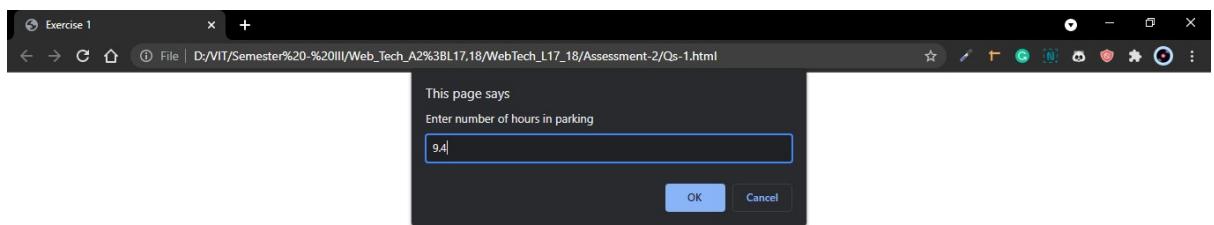
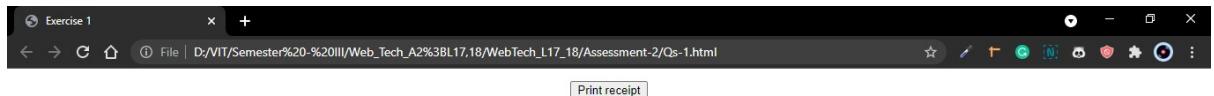
    <script>
        function btn() {
            var hrs_input = prompt("Enter number of hours in parking", 3);
            var hours = parseFloat(hrs_input);
            var hrs_yesterday = prompt("Enter amount charged yesterday (in
$)");
        }
    </script>

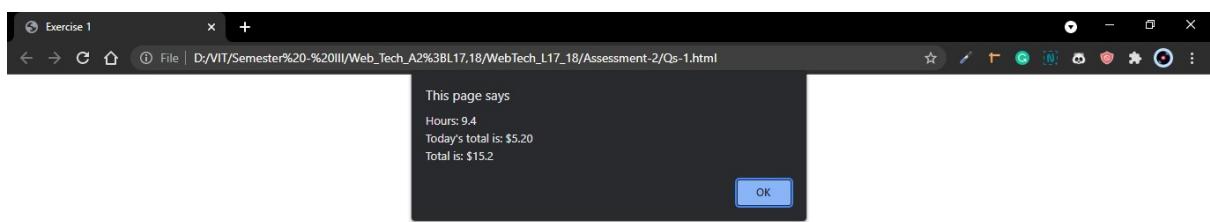
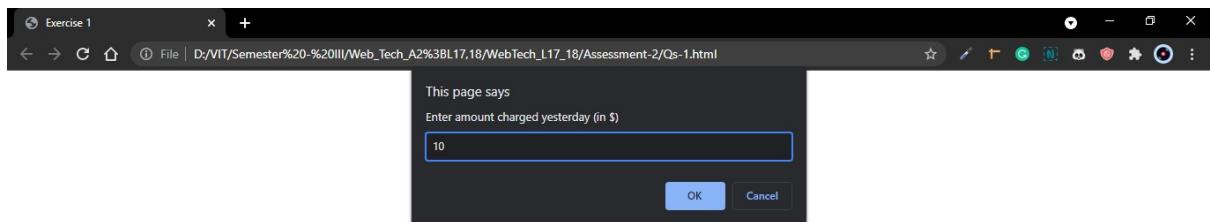
```

```
var amt_yesterday = parseFloat(hrs_yesterday);
calculate_Charges(hours, amt_yesterday);
}
function calculate_Charges(hours, yesterday) {
    // alert(hours);
    if (hours <= 3) {
        var total = 2.0 + yesterday;
        alert('Hours: ' + hours + '\nToday\'s total is: $2.00' +
'\nTotal is: $' + total);
    }
    else if (hours >= 3 && hours <= 24) {
        var calculation = (hours - 3) * 0.5 + 2;
        if (calculation > 10) {
            var total = 10.0 + yesterday;
            alert('Hours: ' + hours + '\nToday\'s total is: $10.00' +
'\nTotal is: $' + total);
        } else {
            var total = calculation + yesterday;
            alert('Hours: ' + hours + '\nToday\'s total is: $' +
calculation.toFixed(2)
                + '\nTotal is: $' + total);
        }
    }
    else if (hours > 24) {
        alert('Invalid');
    }
}
</script>

</body>

</html>
```





Qs2

2. Create a web page containing three divisions.
 - a) The first division displays a digital clock on the rightmost end.
 - b) The width of the first division is 100%.The second division and third division lay side by side.
 - c) The second division has an image slider and third division has a color picker and two list box having font-family and size and a button. When a button is clicked the background color, font and font size should change for a whole page. Use JavaScript to implement the above.

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <title>Exercise 2</title>

    <style>
        body {
            margin: 0%;
            padding: 0%;
        }

        #first {
            width: 100%;
            height: 10vh;

            display: flex;
            justify-content: flex-end;

            border: 1px solid black;
        }

        .second {
            width: 49%;
            float: left;
            border: 1px solid black;
        }

        .third {
            width: 49%;
            float: left;
            border: 1px solid black;
        }
    </style>
</head>
<body>
```

```
</style>
</head>

<body>
  <div id="first">

    <span id="clock"></span>

  </div>

  <div id="container">

    <div class="second" id="slider">
      
      <button id="left">&LessLess;</button>
      <button id="right">&GreaterGreater;</button>
    </div>

    <div class="third">
      <div id="align">

        <input type="color" value="#aa11ff" id="picker" />

        <br /><br />

        <select id="font_family">
          <option selected="true">Arial</option>
          <option>Monospace</option>
          <option>Helvetica</option>
          <option>Letterpress</option>
          <option>Sans Serif</option>
          <option>Limon</option>
          <option>Vodka</option>
        </select>

        <br /><br />

        <select id="size">
          <option selected="true">15px</option>
          <option>17px</option>
          <option>19px</option>
          <option>21px</option>
          <option>22px</option>
          <option>24px</option>
          <option>25px</option>
          <option>26px</option>
          <option>27px</option>
          <option>28px</option>
        </select>
      </div>
    </div>
  </div>
</body>
```

```
</select>
<br /><br />
<button id="apply" onClick="apply_btn()">Apply</button>
<p id="myP">There are many variations of passages of Lorem
Ipsum available.
</p>
</div>
</div>
</div>

<script type="text/javascript">
    var time = setInterval(timer, 1000);

    function timer() {
        var time_obj = new Date();
        var current_time = time_obj.toLocaleTimeString();

        document.getElementById("clock").innerHTML = current_time;
    }

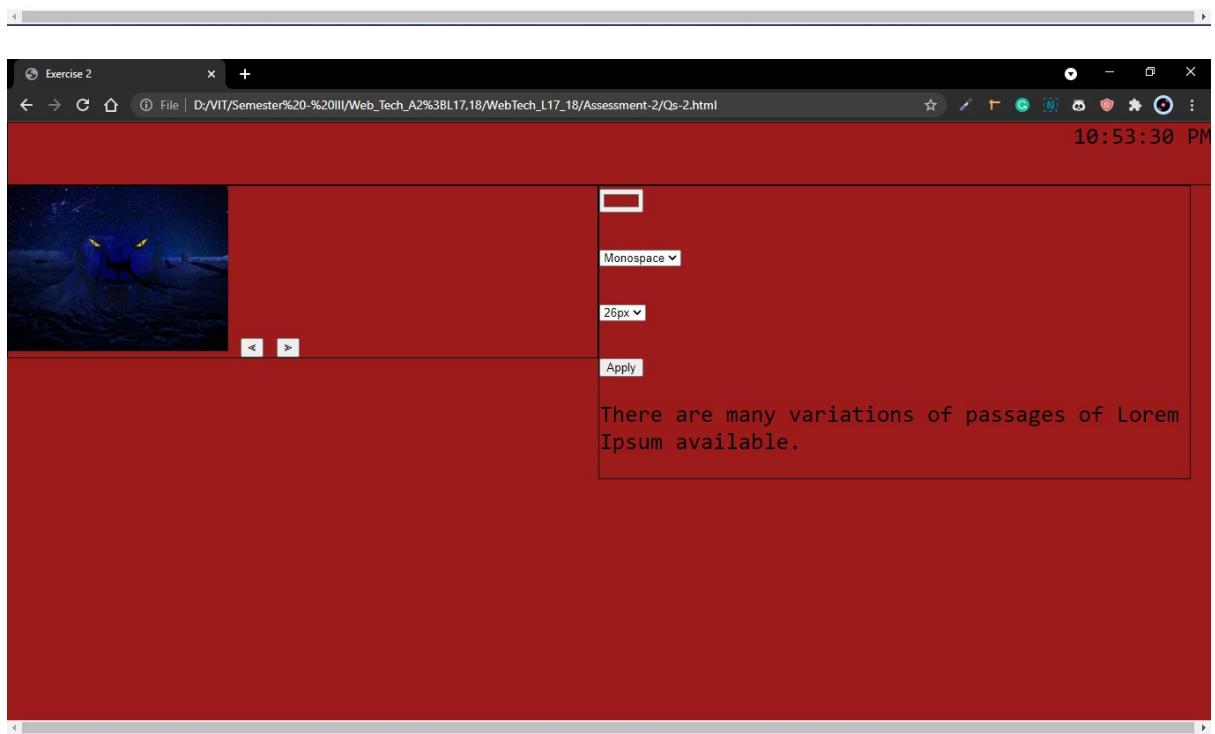
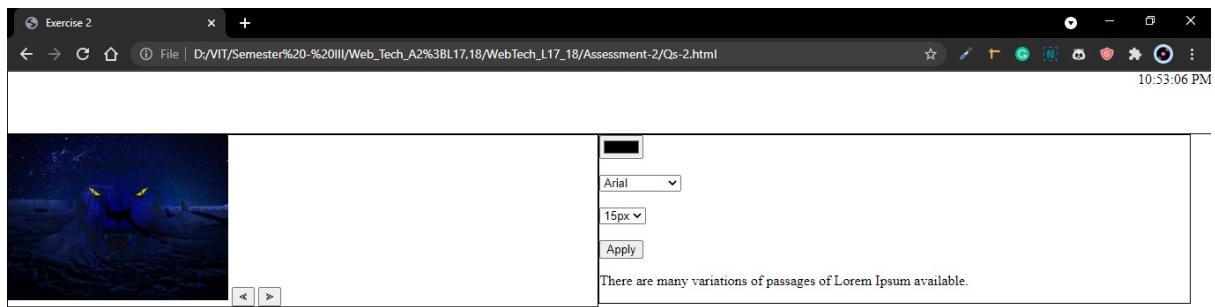
    function apply_btn() {
        var colour_tag = document.getElementById("picker");
        var colour_ = colour_tag.value;
        // alert(colour_)

        var select_tag = document.getElementById('font_family');
        var font_ = select_tag.options[select_tag.selectedIndex].value;
        // alert(font_);

        var size_tag = document.getElementById('size');
        var size_ = size_tag.options[size_tag.selectedIndex].value;
        // alert(size_);

        document.body.style.backgroundColor = colour_;
        document.body.style.fontFamily = font_;
        document.body.style.fontSize = size_;
    }
    // alert(time_obj);
    // alert(current_time);
</script>
</body>

</html>
```



Qs-3

3. Design a student registration form which takes student name, register number, DOB, program, email id, temporary address, permanent address, phone number. Validate the following using JavaScript:

- a) Mobile number should be exactly 10 digits.
- b) Register number should have alphabets and numbers only.
- c) Name should not exceed 30 characters and can be only alphabets.
- d) Email validation.
- e) Provide a checkbox saying “Permanent address is same as temporary address”. If checked, the value of permanent address should be added automatically from temp address. And should be in disabled mode.

```
<!DOCTYPE html>
<html>

<head>
    <title>Exercise 3</title>

    <script src="Qs-3.js"></script>

    <script>
        function check() {
            if (document.getElementById("addr").checked == true) {
                var cop = document.getElementById("perm").value;
                document.getElementById("temp").value = cop;
                document.getElementById("temp").disabled = true;
            }
        }
    </script>

<body>
    <center>
        <table style="margin-top: 10%; background-color: #efefef; padding: 24px">
            <form name="student" onsubmit="return validate_form()">
                <tr>
                    <td>Name:</td>
                    <td><input type="text" name="name" /></td>
                </tr>
                <tr>
                    <td>Registration Number: </td>
                    <td><input type="text" name="regno" /></td>
                </tr>
            </form>
        </table>
    </center>
</body>
```

```

<tr>
    <td>DOB</td>
    <td><input type="text" name="dob" /></td>
</tr>
<tr>
    <td>Programme</td>
    <td><input type="text" name="program" /></td>
</tr>
<tr>
    <td>Email ID:</td>
    <td><input type="text" name="emailid" /></td>
</tr>
<tr>
    <td>Phone Number</td>
    <td><input type="number" name="phone" /></td>
</tr>
<tr>
    <td>Permanent Adress:</td>
    <td>
        <textarea id="perm" rows="4" cols="19">
        </textarea>
    </td>
</tr>
<tr>
<tr>
    <td colspan="2">
        <br>
        <center><input onchange="check()" id="addr"
type="checkbox" value="check" />Permanent address
            same as temporary address</center>
    </td>
</tr>
</tr>
<tr>
    <td>Temporary Adress:</td>
    <td>
        <textarea id="temp" rows="4" cols="19">
        </textarea>
    </td>
    <td colspan="2">
        <br>
        <center><input type="submit" /></center>
    </td>
</tr>
</form>
</table>
</center>
</body>

```

```

</html>
function validate_form() {
    var sname = document.student.name;
    var rnum = document.student.regno;
    var dob = document.student.dob;
    var pro = document.student.program;
    var eid = document.student.emailid;
    var tadd = document.student.temp;
    var tasp = document.student.addr;
    var padd = document.student.perm;
    var num = document.student.phone;
    if (sname_val(sname)) {
        if (regnum_val(rnum)) {
            if (dob_val(dob)) {
                if (prog_val(pro)) {
                    if (mail_val(eid)) {
                        if (temp_val(tadd)) {
                            if (per_val(padd)) {
                                if (no_val(num)) {
                                    return true;
                                }
                            }
                        }
                    }
                }
            }
        }
    }
    return false;
}
function sname_val(sname) {
    var letters1 = /^[a-zA-Z]{1,30}$/;
    if (sname.value.match(letters1)) {
        return true;
    }
    else {
        alert('Enter the Name');
        return false;
    }
}
function regnum_val(rnum) {
    var numz = /^[A-Za-z0-9]+$/;
    if (rnum.value.match(numz)) {
        return true;
    }
    else {
        alert('Enter the Registration');
    }
}

```

```

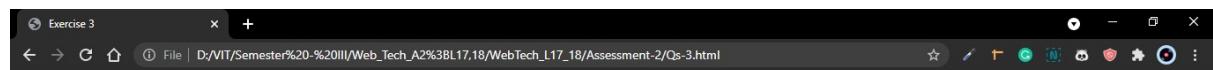
        return false;
    }
}
function dob_val(dob) {
    var dobz = /^[A-Za-z0-9]+$/;
    if (dob.value.match(dobz)) {
        return true;
    }
    else {
        alert('Enter the DOB');
        return false;
    }
}
function prog_val(pro) {
    var progz = /^[A-Za-z]+$/;
    if (pro.value.match(progz)) {
        return true;
    }
    else {
        alert('Enter the Program');
        return false;
    }
}
function mail_val(eid) {
    var mailformat = /^[a-zA-Z0-9_.\.-]+\@[([a-zA-Z0-9\-.])+\.([a-zA-Z0-9]{2,4})+$/;
    if (eid.value.match(mailformat)) {
        return true;
    }
    else {
        alert('Invalid Email');
        return false;
    }
}
function temp_val(tadd) {
    var taddz = /^[A-Za-z]+$/;
    if (tadd.value.match(taddz)) {
        return true;
    }
    else {
        alert('Enter the temporary address');
        return false;
    }
}
function per_val(padd) {
    var paddz = /^[A-Za-z]+$/;
    if (padd.value.match(paddz)) {
        return true;
    }
}
```

```

        }
    else {
        alert('Enter the permanent address');
        return false;
    }
}

function no_val(num) {
    var num1 = /^[0-9]{10}$/;
    if (num.value == "") {
        alert('Enter the Number');
    }
    else if (num.value.match(num1)) {
        return true;
    }
    else {
        alert('Invalid Number');
        return false;
    }
}

```



Name:

Registration Number:

DOB:

Programme:

Email ID:

Phone Number:

Permanent Address:

Permanent address same as temporary address

Temporary Address:

Qs-4

4. Write the JavaScript code to add behavior to the following page for manipulating

strings.

- The page UI allows the user to type a phrase into a text box. The user can click the "Go!" button to display the words in that phrase in reverse order. Each word in the phrase should be inserted as a span with a class of word, inside a div with the id of words. Every other word (the first, third, fifth, etc.) should also be underlined
- The user can optionally specify a "filter" text by typing into a text box with the id of filter. If a non-blank filter is specified, you should exclude any words from the phrase that contain that filter text, case-insensitively. For example, if the filter text is "abc", exclude any words containing abc, ABC, aBc, etc.
- If any words are excluded, under the list of words you should modify the div with id of count to display text of the form, "5 word(s) filtered out". The code should work for multiple clicks of the button. On each click it should clear any previous information you injected. You may assume that words in the phrase are separated by single spaces.
- These screenshots show the initial state, and after phrases have been typed and "Go!" is clicked.

```
<!DOCTYPE html>
<html lang="en">

<head>
    <title>Exercise 4</title>
</head>

<body>
    <h1>Sentence Reverser!</h1>
    <label for="user_input">Phrase: </label>
    <input type="text" id="user_input" />

    <label for="filter">Filter: </label>
    <input type="text" id="filter" />

    <br /><br />
    <input type="button" id="go_btn" value="GO!" onClick="go()" />

    <br /><br />
    <div id="words"></div>
    <div id="words_filtered"></div>

    <script type="text/javascript">
        function go() {
            var user_input = document.getElementById("user_input").value;
            // alert(user_input);
            var input_array = user_input.split(" ");

            var count_ = 0;
            var filter_prompt = document.getElementById("filter").value;
            for (var i = 0; i < input_array.length; i++) {
                if (input_array[i].toLowerCase() ==
filter_prompt.toLowerCase()) {
                    input_array.splice(i, 1);
                    count_ += 1;
                }
            }
            // alert(input_array);

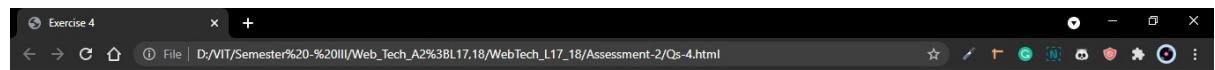
            var reversed_input = input_array.reverse();
            // alert(input_array.reverse());
            document.getElementById("words").innerHTML = "";
            for (var i = 0; i < reversed_input.length; i++) {
                console.log(reversed_input[i]);
                // document.getElementById("words").innerHTML +=
reversed_input[i];
                if (i % 2 == 0) {
                    document.getElementById("words").innerHTML +=
```

```

        "<span class='word' style='background-
color:rgba(255,180,180); border:1px dashed red; text-decoration:underline;'>"
        + reversed_input[i] + "</span> ";
    }
    else if (i % 2 != 0) {
        document.getElementById("words").innerHTML +=
        "<span class='word' style='background-
color:rgba(255,180,180); border:1px dashed red;'>"
        + reversed_input[i] + "</span> ";
    }
    document.getElementById("words_filtered").innerHTML += count_ +
word(s) filtered out."
}
</script>
</body>

</html>

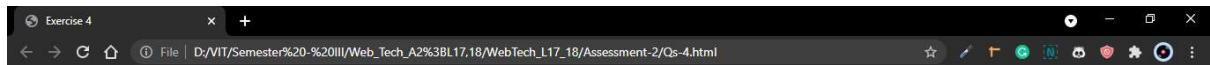
```



Sentence Reverser!

Phrase:

Filter:



Sentence Reverser!

Phrase: Filter:

all? that Binayak name My
2 word(s) filtered out.

Qs-5

5. Develop an online Railway Reservation application.

- a) It has top frame with the name “Online Railway Reservation System” in the middle, there is a logo/image in the left corner using suitable CSS styles and the left frame with the links for Ticket booking and availability checking; for each link the target should be the right frame.
- b) Create a Ticket Booking form which should have From and To in a text box, Train Names in a drop down box, Coach Number in a list box, Date in a date

field, Timing in a text box, Passengers Male and female in a dropdown menu showing the count number and Submit and Reset button.

- c) Assume availability of tickets already declared in the script. Create a DOM event to display the ticket confirmation details on any HTML element when ticket is available otherwise display “tickets not available” by invoking any other DOM event.

```

<!DOCTYPE html>
<html>

<head>
    <title>Exercise 7</title>
</head>

<frameset rows="20%,*">
    <frame name="top" src="Qs-5top.html">
    <frameset cols="25%,*>
        <frame src="Qs-5left.html" name="left">
        <frame src="Qs-5right.html" name="right">
    </frameset>
</frameset>

</html>
----

<!DOCTYPE html>
<html lang="en">

<head>
    <title>Left</title>
</head>

<body>
    <ul>
        <li><a href="Qs-5book.html" target="right">Ticket Booking</a></li>
        <li><a href="Qs-5avail.html" target="right">Availability Check</a></li>
    </ul>
</body>

</html>
----

<!DOCTYPE html>
<html lang="en">

<head>
    <title>Book</title>
</head>

<body>
    <form action="http://example.com" method="post" target="_blank">
        <label for="from">From:</label><br />
        <input type="text" name="from" id="name" /><br /><br />

```

```

<label for="to">To:</label><br />
<input type="text" name="to" id="to" /><br /><br />

<label for="train">Train:</label><br />
<select name="train" id="train">
    <option value="ABC" label="ABC"></option>
    <option value="DEF" label="DEF"></option>
    <option value="GHI" label="GHI"></option>
</select>
<br /><br />

<label for="coach">Coach Number:</label><br />
<select name="coach" id="coach" size="4">
    <option value="A1" label="A1"></option>
    <option value="B1" label="B1"></option>
    <option value="C1" label="C1"></option>
    <option value="A2" label="A1"></option>
    <option value="B2" label="B2"></option>
    <option value="C2" label="C2"></option>
</select>
<br /><br />

<label for="date">Date:</label><br />
<input type="date" id="date" name="date" /><br /><br />

<label for="timing">Timing:</label><br />
<input type="time" id="timing" name="timing" /><br /><br />

<label for="gender">Gender:</label><br />
<select name="gender" id="gender" size="4">
    <option value="Male" label="Male"></option>
    <option value="Female" label="Female"></option>
</select>
<br /><br />

<input type="button" value="Submit" id="submit" name="submit" /><br /><br />
<input type="button" value="Reset" id="reset" name="reset" /><br /><br />
</form>
</body>

</html>

```

Exercise 7

File | D:/VIT/Semester%20-%20III/Web_Tech_A2%3BL17_18/WebTech_L17_18/Assessment-2/Qs-5.html

Online Railway Reservation System

• [Ticket Booking](#)
• [Availability Check](#)

Select a link

Exercise 7

File | D:/VIT/Semester%20-%20III/Web_Tech_A2%3BL17_18/WebTech_L17_18/Assessment-2/Qs-5.html

Online Railway Reservation System

• [Ticket Booking](#)
• [Availability Check](#)

From:

To:

Train:

Coach Number:

A1
B1
C1
A1

Date:

Timing:

Gender:

Male
Female

Qs-6

6.
 - i) Design a table in the format given below using HTML and JQuery selectors.
 - ii) Apply different background for odd and even rows of the table.
 - iii) Apply different CSS for table header using JQuery selectors.

First Name	Last Name	City	State
Mannix	Bolton	Merizo	Michigan
Suki	King	Fairmont	Oklahoma
Shelby	English	Durham	Arkansas
Portia	Burns	Princeton	Rhode Island
Dacey	Young	Covina	South Carolina
Clark	Reyes	Grand Rapids	New Jersey
Maris	Decker	Sierra Madre	Georgia

```
<!DOCTYPE html>
<html lang="en">

<head>
    <title>Exercise 6</title>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>

<body>
    <table>
        <thead>
            <tr>
                <th>First Name</th>
                <th>Last Name</th>
                <th>City</th>
                <th>State</th>
            </tr>
        </thead>

        <tfoot></tfoot>

        <tbody>
            <tr class="odd">
                <td>Mannix</td>
                <td>Bolton</td>
                <td>Merizo</td>
                <td>Michigan</td>
            </tr>
            <tr class="even">
                <td>Sufi</td>
```

```

        <td>King</td>
        <td>Fairmont</td>
        <td>Oklahoma</td>
    </tr>
    <tr class="odd">
        <td>Shelby</td>
        <td>English</td>
        <td>Durham</td>
        <td>Arkansas</td>
    </tr>
    <tr class="even">
        <td>Sufi</td>
        <td>King</td>
        <td>Fairmont</td>
        <td>Oklahoma</td>
    </tr>
    <tr class="odd">
        <td>Shelby</td>
        <td>English</td>
        <td>Durham</td>
        <td>Arkansas</td>
    </tr>
</tbody>
</table>

<script type="text/javascript">
    $("table").css({
        "border-radius": "10px",
        "background-color": "#ababab",
        "padding": "10px",
    });
    $("table").attr("cellspacing", "0");

    $("th").css({
        "text-align": "left",
        "width": "200px",
        "text-align": "center",
    })
    $("td").css({
        "border-left": "1px solid white",
        "padding": "2px 20px 2px 1px",
        "text-align": "left",
        "width": "200px",
    })
    $(".odd").css({
        "background-color": "#808080",
    });
</script>

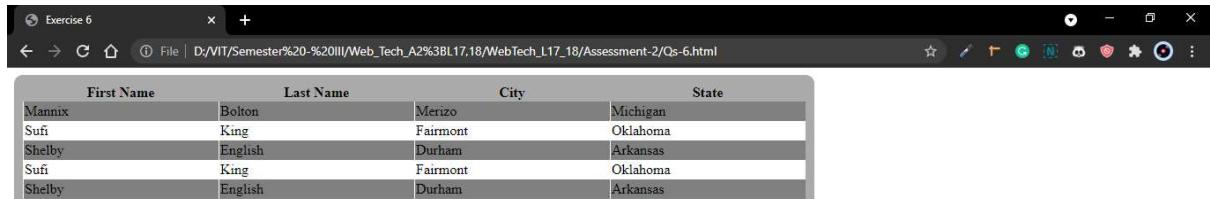
```

```

$( ".even" ).css({
  "background-color": "white",
});
</script>
</body>

</html>

```



First Name	Last Name	City	State
Mannix	Bolton	Merizo	Michigan
Sufi	King	Fairmont	Oklahoma
Shelby	English	Durham	Arkansas
Sufi	King	Fairmont	Oklahoma
Shelby	English	Durham	Arkansas

Qs-7

7. Write the JQuery code, so that when the Delete button is clicked, any button whose text value is divisible by the number written in the text field is removed from the page. You may assume that a valid number has been typed in the text field. The HTML code is the following:

These screenshots show the initial page and its new appearance after typing 2 into the text field and pressing Delete:

Divisible by:

Delete

Click a button:

11
22
34
42
50
63
71
85
94
103

```
<!DOCTYPE html>
<html lang="en">

<head>
    <title>Exercise 7</title>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>

<body>
    <label for="user_input">Divisible by: </label>
    <input id="user_input" type="text" placeholder="Enter number"
name="user_input" />
    <input id="input_btn" type="submit" name="input_btn" value="Delete" />
    <br /><br />

    <label for="given_btns">Click a button: </label>
    <input class="given_btns given_btns1" type="button" name="btn" value="11"
/>
    <input class="given_btns given_btns2" type="button" name="btn" value="22"
/>
    <input class="given_btns given_btns3" type="button" name="btn" value="34"
/>
    <input class="given_btns given_btns4" type="button" name="btn" value="42"
/>
    <input class="given_btns given_btns5" type="button" name="btn" value="50"
/>
    <input class="given_btns given_btns6" type="button" name="btn" value="63"
/>
    <input class="given_btns given_btns7" type="button" name="btn" value="71"
/>
    <input class="given_btns given_btns8" type="button" name="btn" value="85"
/>
    <input class="given_btns given_btns9" type="button" name="btn" value="94"
/>
    <input class="given_btns given_btns10" type="button" name="btn"
value="103" />
    <br /><br />

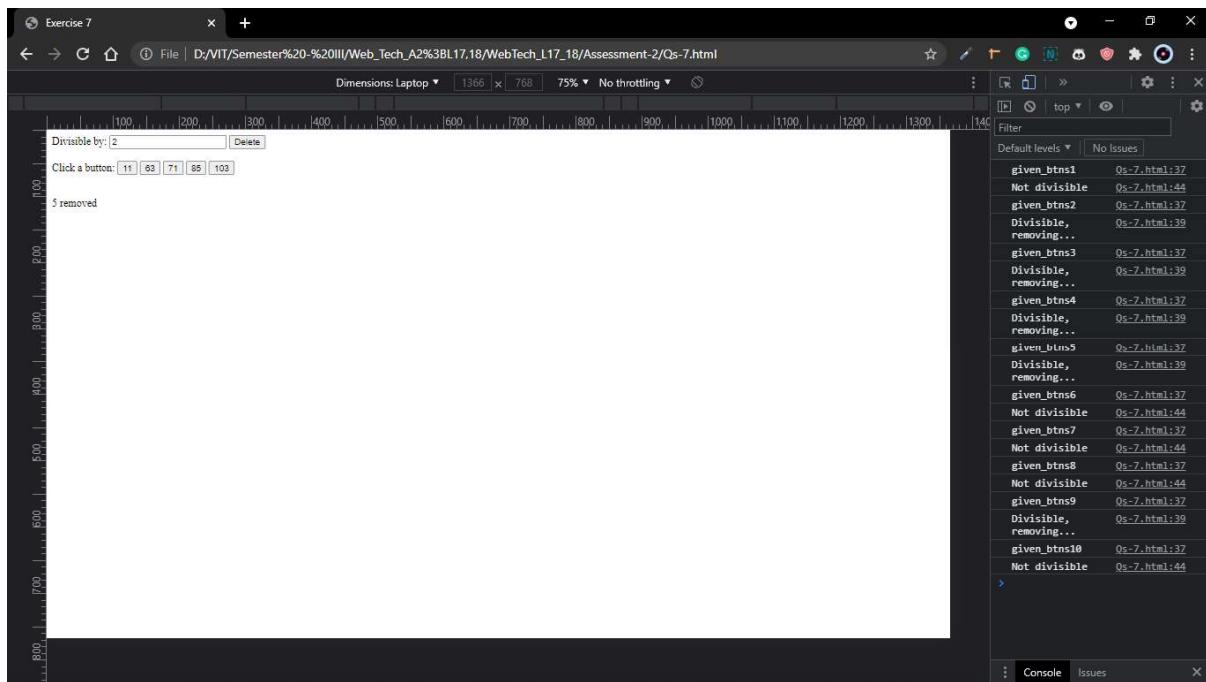
    <div id="output"></div>

    <script type="text/javascript">
        $("#input_btn").click(function () {
            var input_ = $("#user_input").val();
            // alert(input_);
            var count_ = 0;
            for (var i = 1; i <= 10; i++) {
```

```
        var n = "given_btns" + i;
        console.log(n);
        if ('.' + n).val() % input_ == 0) {
            console.log("Divisible, removing...");
            ('.' + n).css('display', 'none');
            count_ += 1;
        }
        else {
            console.log("Not divisible");
        }
    }
    $('#output').html('<p>' + count_ + ' removed</p>');
});
</script>
</body>

</html>
```





Qs-8

8. Write the JQuery code to add behavior to the following page for keeping track of a to-do-list.
 - a) The page UI allows the user to type an item into a text box. The user can click the "add" button to add the item to the bottom of the list. Each word in the phrase should be inserted as a li, inside an ul with the id of list.
 - b) If the user wishes to remove an item he or she can type the text of the item he or

she wishes to remove in the text box and click the “remove” button. This should be case insensitive. For example, if the list only contains “foo” and the user tries to remove “FoO”, it should be removed. If the user tries to remove an item that is in the list multiple times only the first occurrence should be removed.

- c) The items should have background colors that alternate between white and yellow (first white, then yellow, then white, yellow, etc.). This should still be the case no matter how many items are removed or added and no matter what order these operations are done in.
- d) The code should work for multiple clicks of the buttons. On each click it should clear any previous information you typed in the input boxes.

These screenshots show the state after items have been added and the state after items have been removed.

```
<!DOCTYPE html>
<html lang="en">

<head>
    <title>Exercise 8</title>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
</head>

<body align="center">
    <label for="todo_input">Enter todo to add/delete</label>
    <input type="text" id="todo_input" name="todo_input" placeholder="Enter here" onfocus="this.value=''" />
    <br /><br />

    <input type="submit" id="add" name="add" value="Add" />
    <input type="submit" id="delete" name="delete" value="Delete" />
    <br /><br />

    <ul id="list" style="list-style-type: none; margin:0px; padding:0px">
        <li id="dummy_todo">Todos appear here</li>
    </ul>

    <script type="text/javascript">
        function colour_() {
            var listItems = $("#list li");
            var tog = 0;
            for (let li of listItems) {
                // console.log(li);
                // console.log($(li));
                let product = $(li);
                // console.log(product.text());
                if (tog == 0) {
                    product.css({
                        "background-color": "green",
                    });
                    tog = 1;
                }
                else if (tog == 1) {
                    product.css({
                        "background-color": "yellow",
                    });
                    tog = 0;
                }
            }
        }
    </script>
</body>
```

```

    $("#add").click(function () {
        $("#dummy_todo").remove();
        var todo = $("#todo_input").val();
        console.log("Todo: " + todo);

        $('#list').append("<li>" + todo + "</li>");

        console.log("Adding...");  

        $("#todo_input").val(this.placeholder);

        colour_();
    })

    $("#delete").click(function () {
        var listItems = $("#list li");
        for (let li of listItems) {
            let product = $(li);
            console.log("Todo iterated over " + product.text() + " at " +
product.index());

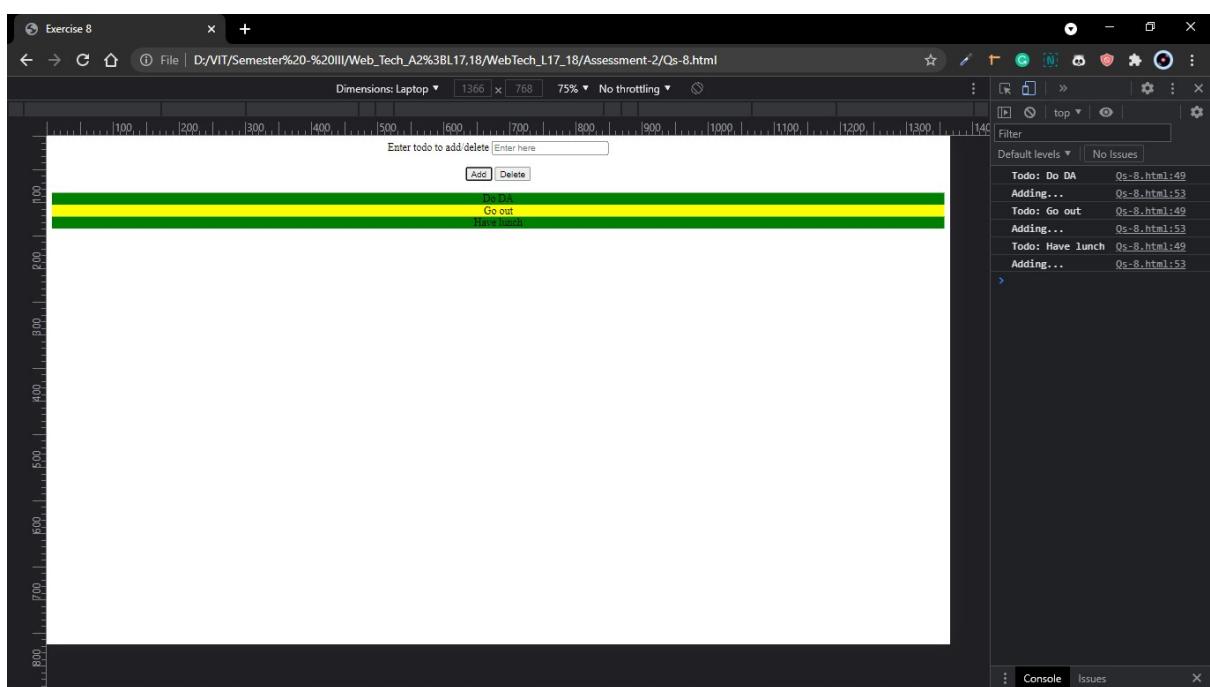
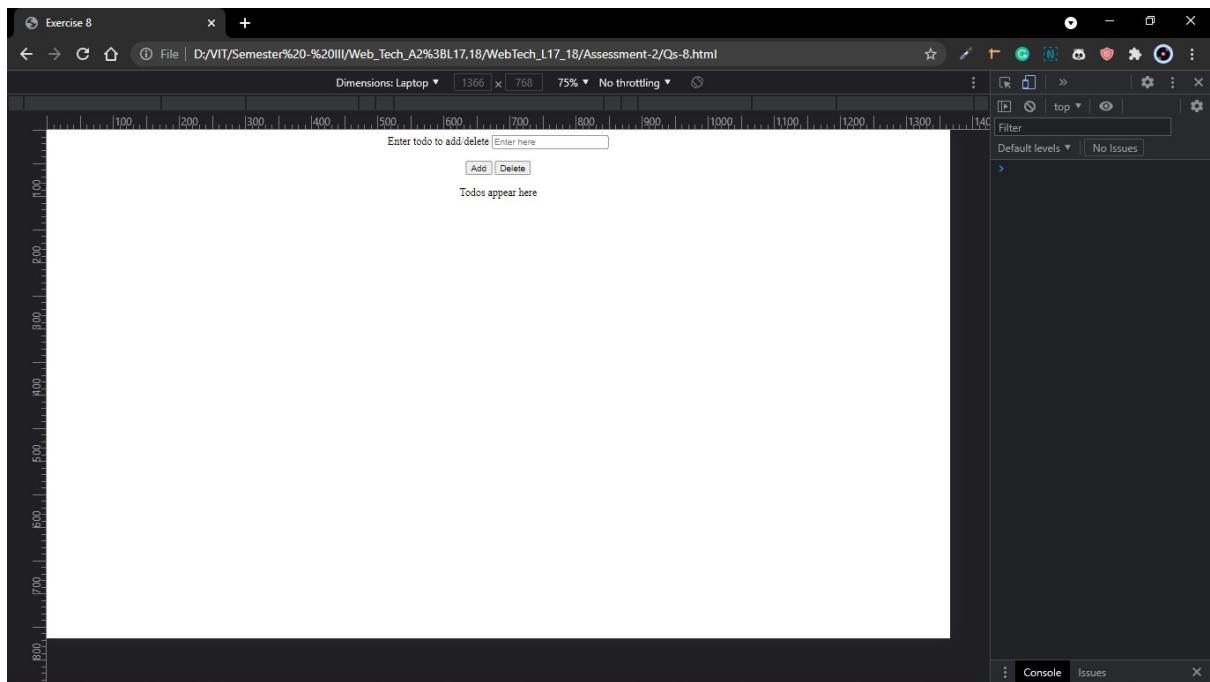
            var todo_del = $("#todo_input").val();
            console.log("Input: " + todo_del);
            console.log("product.text(): " + product.text());

            console.log(product.text().toLowerCase() ===
todo_del.toLowerCase());
            var bool_ = product.text().toLowerCase() ===
todo_del.toLowerCase();
            if (bool_) {
                console.log("Todo to delete: " + todo_del);
                $(product).remove();
                break;
            }
        }
        $("#todo_input").val(this.placeholder);

        colour_();
    })
</script>
</body>

</html>

```



The screenshot shows a browser window titled "Exercise 8" with the URL "D:\VIT\Semester%20-%20III\Web_Tech_A2%3BL17_18\WebTech_L17_18\Assessment-2/Qs-8.html". The page content includes a form with input fields and a button, and a list of todos. The developer tools are open, specifically the "Console" tab, which displays the following error message:

```
Qs-8.html:69
Uncaught ReferenceError: product is not defined
    at Object.todoList (Qs-8.html:69)
    at Object.addTodo (Qs-8.html:69)
    at HTMLFormElement.onsubmit (Qs-8.html:69)
```

Qs-9

9. a) Validate the Event Registration Form given below using Jquery for the following conditions.
- All fields are mandatory
 - Zip code should be exactly five digits
 - Email validation

Event Registration Form

First Name:

Last Name:

Mailing Address:

City:

State:

Zip Code:

Are you speaking at the conference? Yes No

Conference Pass: 1-day Pass
 2-day Pass
 3-day Pass
 4-day Pass

Meal Preference:

Submit

```

<!DOCTYPE html>
<html lang="en">

<head>
    <title>Exercise 9</title>
    <script src="Qs-9.js"></script>
</head>

<body>
    <center>
        <table cellspacing="4px" cellpadding="6px"
            style="background-color: rgb(126, 126, 156); padding:0px;
margin:0px">
            <form name="reg_form" onsubmit="return validate_form()">
                <thead style="background-color: rgb(59, 59, 104);">
                    <tr>
                        <td align="center" colspan="2">Event Registration
Form</td>
                    </tr>
                </thead>

                <tfoot style="background-color: rgb(59, 59, 104);">
                    <tr>
                        <td colspan="2" style="padding-left: 80px;">
                            <input type="submit" value="Submit" />
                        </td>
                    </tr>
                </tfoot>

                <tbody>
                    <tr>
                        <td>First Name</td>
                        <td style="padding-right: 50px;">
                            <input type="text" name="fname" />
                        </td>
                    </tr>
                    <tr>
                        <td>Last Name</td>
                        <td style="padding-right: 50px;">
                            <input type="text" name="lname" />
                        </td>
                    </tr>
                    <tr>
                        <td>Mailing Address</td>
                        <td style="padding-right: 50px;">
                            <input type="text" name="addr" />
                        </td>
                    </tr>
                </tbody>
            </form>
        </table>
    </center>
</body>

```

```

<tr>
    <td>City</td>
    <td style="padding-right: 50px;">
        <input type="text" name="city" />
    </td>
</tr>
<tr>
    <td>State</td>
    <td style="padding-right: 50px;">
        <select name="state">
            <option>West Bengal</option>
            <option>Delhi</option>
            <option>Tamil Nadu</option>
            <option>Gujrat</option>
            <option>Nagaland</option>
        </select>
    </td>
</tr>
<tr>
    <td>Zip Code</td>
    <td style="padding-right: 50px;">
        <input type="text" name="zip" />
    </td>
</tr>
<tr>
    <td colspan="2">
        <hr width="90%" style="border: 1px dashed;" />
    </td>
</tr>
<tr>
    <td>Are you speaking at<br />the conference?</td>
    <td style="padding-right: 50px;">
        <input type="radio" id="yes" name="yes" /><label
for="yes">Yes</label>
        <input type="radio" id="no" name="no" /><label
for="no">No</label>
    </td>
</tr>
<tr>
    <td>Conference Pass</td>
    <td style="padding-right: 50px;">
        <input type="radio" id="1day" name="onedaypass"
/><label for="1day">1-day pass</label><br />
        <input type="radio" id="2day" name="twodaypass"
/><label for="2day">2-day pass</label><br />
        <input type="radio" id="3day" name="threedaypass"
/><label for="3day">3-day
        pass</label><br />
    </td>
</tr>

```

```

        <input type="radio" id="4day" name="fourdaypass"
/><label for="4day">4-day pass</label>
        </td>
    </tr>
    <tr>
        <td colspan="2">
            <hr width="90%" style="border: 1px dashed" />
        </td>
    </tr>
    <tr>
        <td>Meal Preference</td>
        <td style="padding-right: 50px;">
            <select name="state">
                <option>Vegetarian</option>
                <option>Non-Vegetarian</option>
            </select>
        </td>
    </tr>
</tbody>
</form>
</table>
</center>
</body>

</html>
----
```

```

function validate_form() {
    var fname = document.reg_form.fname;
    var lname = document.reg_form.lname;
    var addr = document.reg_form.addr;
    var city = document.reg_form.city;
    var zip = document.reg_form.zip;
    var yes = document.reg_form.yes;
    var no = document.reg_form.no;
    var onedaypass = document.reg_form.onedaypass;
    var twodaypass = document.reg_form.twodaypass;
    var threedaypass = document.reg_form.threedaypass;
    var fourdaypass = document.reg_form.fourdaypass;
    if (fname_val(fname)) {
        if (lname_val(lname)) {
            if (addr_val(addr)) {
                if (city_val(city)) {
                    if (zip_val(zip)) {
                        if (speaking_check(yes, no)) {
                            if (pass_check(onedaypass, twodaypass,
threedaypass, fourdaypass)) {
                                return true;
                            }
                        }
                    }
                }
            }
        }
    }
}

```

```
        }
    }
}
}

function fname_val(fname) {
    if (fname.value == "") {
        alert("Enter first name");
    } else {
        return true;
    }
}

function lname_val(lname) {
    if (lname.value == "") {
        alert("Enter last name");
        return false;
    } else {
        return true;
    }
}

function addr_val(addr) {
    var mailformat = /^[a-zA-Z0-9_\.\-]+@[([a-zA-Z0-9\-\-])+\.)+([a-zA-Z0-9]{2,4})+$/;
    if (addr.value == "") {
        alert("Enter address name");
        return false;
    }
    else if (eid.value.match(mailformat)) {
        return true;
    }
    else {
        alert('Invalid Email');
        return false;
    }
}

function city_val(city) {
    if (city.value == "") {
        alert("Enter city");
        return false;
    } else {
        return true;
    }
}
```

```

}

function zip_val(zip) {
    var zipv = /^[5]{5}$/;
    if (zip.value == "") {
        alert("Enter zip");
        return false;
    } else if (zip.value.match(zipv)) {
        return true;
    }
    else {
        alert("5-digit zip allowed");
        return false;
    }
}

function speaking_check(yes, no) {
    if ($('#yes').is(':checked')) {
        alert("Select yes or no");
        return false;
    } else {
        return true;
    }
}

```

Exercise 9

File | D:/VIT/Semester%20-%20III/Web_Tech_A2%3BL17.18/WebTech_L17_18/Assessment-2/Qs-9.html

Event Registration Form

First Name	Binayak
Last Name	
Mailing Address	binayak.bishnu2020@vitstud
City	Kolkata
State	West Bengal
Zip Code	

Are you speaking at the conference?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Conference Pass	<input type="radio"/> 1-day pass <input checked="" type="radio"/> 2-day pass <input type="radio"/> 3-day pass <input type="radio"/> 4-day pass

Meal Preference	Non-Vegetarian
<input type="button" value="Submit"/>	

This page says
Enter last name

OK

Mailing Address binayak.bishnu2020@vitstud
City Kokata
State West Bengal
Zip Code

Are you speaking at the conference? Yes No

Conference Pass 1-day pass
 2-day pass
 3-day pass
 4-day pass

Meal Preference Non-Vegetarian

Submit