CYCLESHEET-2

Name: Divya Agarwal

Reg No: 21MCA0176

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 lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible"

content="IE=edge">

    <meta name="viewport"

content="width=device-width, initial-

scale=1.0">

    <title>Document</title>

    <script type="text/javascript">

        function calculate()

        {

            var sum=2;

            var cal=prompt("car parked for how

many hours?");
```
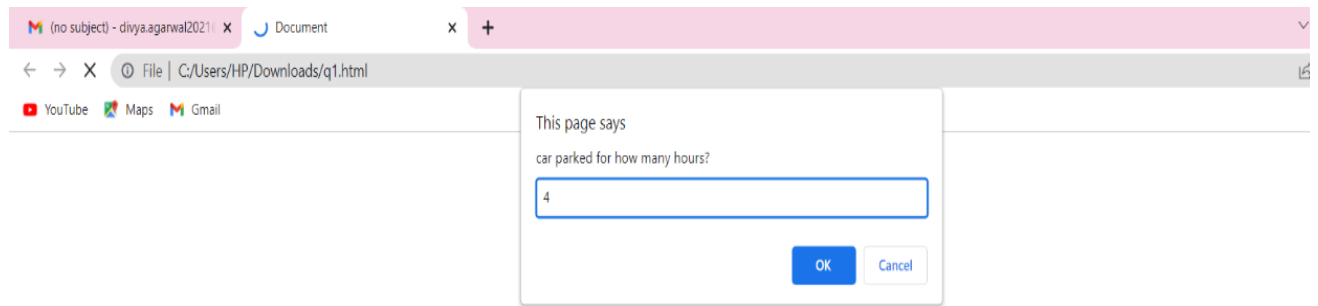
```javascript
        if(cal<=3)
        {
            alert(2);
        }
        else if(cal>3 && cal<24)
        {
            var hr=cal-3;
            sum+=hr*0.5;
            alert(sum);
        }
        else if(cal==24)
        {
            alert(10);
        }
        else{
            alert("No car can park more than 24
hours")
        }
    }
  </script>
</head>
<body>
  <script>calculate();</script>
</body>
</html>
```

Output:

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

Q2js

```html
<!DOCTYPE HTML>
<html>
<head>
<script src="scriptq2.js" defer></script>
<link rel="stylesheet" href="styleq2.css">
</head>
<body id="mainId">
<section class="top body">
<div class="top1">
<span id="hrs">00</span>
<span>:</span>
<span id="min">00</span>
<span>:</span>
```

```html
<span id="sec">00</span>
<span id="session"> AM</span>
</div>
</section>
<section class="left body">
<div class="slide">

<img src="img1.jpg">
<div class="caption">Caption text 1</div>
</div>
<div class="slide">
<img src="img2.jpg">
<div class="caption">Caption text 2</div>
</div>
<div class="slide">
<img src="img3.jpg">
<div class="caption">Caption text 3</div>
</div>
<div class="slide">
<img src="img4.jpg">
<div class="caption">Caption text 4</div>
</div>
<span class="arrow prev" onClick="controler(-1)">&#10094;</span>
<span class="arrow next" onClick="controler(+1)">&#10095;</span>
</section>
<section class="right body">
<label for="color">color:</label>
<input id="color" type="color" value="" ><br />
<label for="fontFamily">fontFamily:</label>
<select id="fontFamily">
<option style="font-family:Verdana">Verdana</option>
<option style="font-family:Georgia">Georgia</option>
<option style="font-family:Courier">Courier</option>
<option style="font-family:Consolas">Consolas</option>
<option style="font-family:Geneva">Geneva</option>
</select><br />
<label for="fontSize">font-size:</label>
<select id="fontSize">
<option disabled>Font Size</option>
<option>10px</option>
<option>20px</option>
<option>30px</option>
<option>40px</option>
<option>50px</option>

</select><br />
<input type="submit" onclick="change()" >
```

```
    </section>
    </body>
    </html>
```

Scriptq2

```
function displayTime(){

var datetime= new Date(); var hrs=datetime.getHours();

var min=datetime.getMinutes(); var sec=datetime.getSeconds();

var session=document.getElementById('session') if(hrs>=12){

session.innerHtml="PM";

}

else{

session.innerHtml="AM";

}

if(hrs>12){ hrs=hrs-12;

}

document.getElementById('hrs').innerHTML=hrs;
document.getElementById('min').innerHTML=min;
document.getElementById('sec').innerHTML=sec;

}

setInterval(displayTime,10);


<!-- section 2 function -->


let flag=0;


function controler(num)


{

flag=flag+num; slideshow(flag);
```

```javascript
}
slideshow(flag);

function slideshow(num){

let slides=document.getElementsByClassName('slide'); if(num == slides.length){
flag=0; num=0;
}
if(num<0)
{
num=slides.length-1; flag=slides.length-1;
}
for(var y=0;y<4;y++)
{
slides[y].style.display="none";
}
slides[num].style.display="block";
}
function change()
{
var fontFamily=document.getElementById("fontFamily"); var
fontSize=document.getElementById("fontSize");
var color=document.getElementById("color");
var d=document.getElementsByClassName("body"); for(var i=0;i<3;i++)
{
d[i].style.background=color.value;
}
var body=document.getElementById("mainId"); body.style.fontSize=fontSize.value;
body.style.fontFamily=fontFamily.value;
```

```
}
Styleq2
body{
        margin:0;
}
.top{
        position:absolute;
        padding:9px;
        width: 100%;
        height:20%;


}
.top1{
  position:absolute;
  width:20%;
  right:2%;
  text-align:center;
  background-color:#269aed;
  color:white;
  font-size:45px;
}
.left{
        padding:0;
        margin:0;
        display:inline-block;
        position:absolute;
        top:22.5%;
        width:50%;
        height:68%;
        background-color:green;
```

```css
}
img {
 max-width: 100%;
 max-height: 100%;
}
.arrow{
 cursor:pointer;
 position:absolute;
 top:45%;
 color:black;
 background-color:white;
 padding: 8px 20px;
}
.next{
 right:10px;
}
.prev{
 left:10px;
}
.caption{
 color:white;
 font-size:30px;
 font-weight:bold;
 position:absolute;
 bottom:10px;
 width:100%;
 text-align:center;
 background-color:rgba(0,0,0,0.5);
 paddinng:15px 0px;
}
```

```
.slide{

 display:none;

}

.right{

        padding:8px;

        margin:0;

        display:inline-block;

        position:absolute;

        left:50%;

        top:22.5%;

        width:48%;

        height:66%;

        background-color:#f5f3f2;

}
```
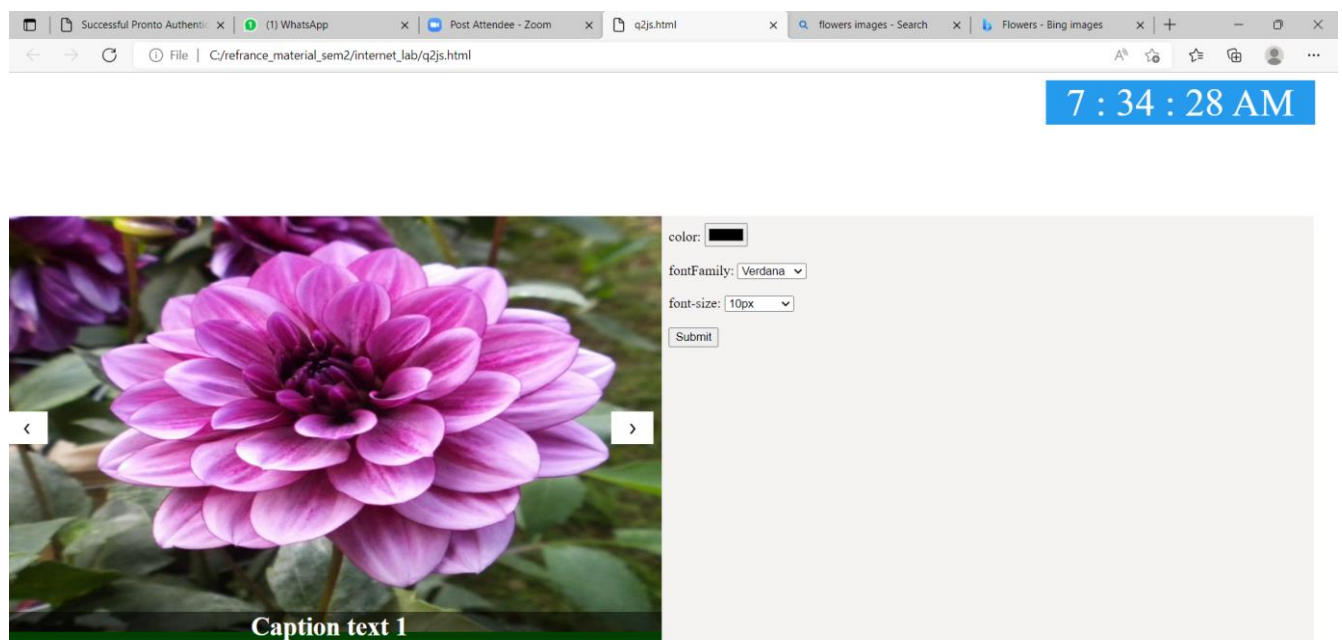
Output:

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.

```html
<html>
<head>
<style>

</style>
<script src="script.js"></script>
</head>

<body>
<form id="registration" action="" onSubmit="return formValidation();">
<table border=1 align=center>
<tr>
<td>Student Name:</td><td><input type="text" id="sname"
    maxlength="30"></td>
</tr>
<tr>
<td>Register Number:</td><td><input type="text" id="rnum"></td>
</tr>
<tr>
<td>Date of Birth:</td><td><input type="date" id="dob"></td>
</tr>
<tr>
<td>Program:</td><td><input type="text" id="prog"></td>
</tr>
<tr>
<td>Email:</td><td><input type="email" id="email"></td>
</tr>
<tr>
<td>Temprorary Address:</td><td><input type="text" id="tadd"></td>
</tr>
<tr>
<td colspan="2">Permanent Address is same as temporary<br>
    address:<input type="checkbox" onclick="onSubmit()" id="cb"></td>
</tr>
<tr>
<td>Permanent Address:</td><td><input type="text" id="padd"></td>
</tr>
<tr>
<td colspan=2 align=center><input type="submit" id="submit"
    value="Submit">
</tr>
</table>
```

```html
</form>
</body>
    </html>

    Scriptq3.js
<html>
<head>
<style>

</style>
<script src="script.js"></script>
</head>

<body>
<form id="registration" action="" onSubmit="return formValidation();">
<table border=1 align=center>
<tr>
<td>Student Name:</td><td><input type="text" id="sname"
    maxlength="30"></td>
</tr>
<tr>
<td>Register Number:</td><td><input type="text" id="rnum"></td>
</tr>
<tr>
<td>Date of Birth:</td><td><input type="date" id="dob"></td>
</tr>
<tr>
<td>Program:</td><td><input type="text" id="prog"></td>
</tr>
<tr>
<td>Email:</td><td><input type="email" id="email"></td>
</tr>
<tr>
<td>Temprorary Address:</td><td><input type="text" id="tadd"></td>
</tr>
<tr>
<td colspan="2">Permanent Address is same as temporary<br>
    address:<input type="checkbox" onclick="onSubmit()" id="cb"></td>
</tr>
<tr>
<td>Permanent Address:</td><td><input type="text" id="padd"></td>
</tr>
<tr>
<td colspan=2 align=center><input type="submit" id="submit"
```

```
                value="Submit">
        </tr>
        </table>
        </form>
        </body>
            </html>

            Scriptq3.js
function formValidation()

{

var name=document.getElementById("sname").value; var
number=document.getElementById("rnum").value; var
dob=document.getElementById("dob").value;

var prog=document.getElementById("prog").value; var
email=document.getElementById("email").value;

var tempAddress=document.getElementById("tadd").value; var
perAddress=document.getElementById("padd").value; onSubmit(tempAddress);

if(nameValidation(name))

{if(numberValidation(number))

{if(emailValidation(email)) document.getElementById("registration").submit();

}

}

}




function nameValidation(name)

{

var len=name.length;

const pattern=/[A-Z a-z \ ]/g; if(len<1 || len >30)

{

alert("user id must not be null or grater then 30"); name.focus();

return false;

}
```

```javascript
else if(pattern.test(name)!=true)
{
alert("name should be alphabet"); name.focus();
return false;
}
return true;


}



function numberValidation(number)
{
var len=number.length;
const pattern=/[0-9 A-Z a-z]/g; if(len<0 || len>10)
{
alert("invalid number"); name.focus();
return false;
}
else if(pattern.test(number)!=true)
{
alert("invalid number"); name.focus();
return false;
}
return true;
}



function emailValidation(email)
{
```

const pattern=/[a-z A-Z _ \-\. 0-9]+[@][a-z]+[\.][a-z]{2,3}/; if(pattern.test(email)!=true)

{

alert("invalid email"); name.focus(); return false;

}

return true;

}

function onSubmit()

{

var tempAddress=document.getElementById("tadd").value;
document.getElementById("padd").value=tempAddress;

}

Output:

4. Write the JavaScript code to add behavior to the following pagefor manipulating strings. a) 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 b) 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.

c) If any wordsare 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. Oneach click it should clear any previous information you injected.You may assume that words in the phrase are separated by single spaces. d) These screenshots show the initial state, and after phrases have been typed and "Go!" is clicked.

```
<html>
<head>
<title>Sentense Reverser</title>
</head>
<style>
.word {
border: 1px dotted red; color:
red; background: pink;margin-
right: 5px;
padding: 4px;
text-decoration: underline;
}
.word:nth-child(2n) { text-decoration: none;
}
</style>
<body>
<h1>Sentence Reverser!</h1>
<table>
<tr>
<td>Phrase:</td>
<td><input type="text" id="phrase"></td>
</tr>
<tr>
<td>Filter:</td>
<td><input type="text" id="filter"></td>
</tr>
<tr colspan="2">
<td><input type="submit" value="Go!"
onclick="reverser()"></td>
</tr>
</table>
<br>
<div class="words" id="w"></div>
```

```
<p id="result"></p>
<script src="scriptq4.js"></script>
</body>
</html>
```

Scriptq4.js

```
function reverser()
{
var str=document.getElementById("phrase").value; var arr=str.split(" ");
var s=""; var c=0;
var filter=document.getElementById("filter").value; for(var i=arr.length-
    1;i>=0;i--)
{
if(filter=="")
s=s+"<span class=\"word\">"+arr[i]+"</span>"; else
{
var temp=arr[i];
    if(temp.toUpperCase().startsWith(filter.toUpperCase())==false)
    s=s+"<span class=\"word\">"+arr[i]+"</span>";
else c++;
}
}

document.getElementsByClassName("words")[0].innerHTML=s;
    document.getElementById("result").innerHTML=c+" word(s) filtered
    out";
    }
```


5. Develop an online Railway Reservation application. a) It has topframe
   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.

```html
<html>
<head>
<title>Railway</title>
<frameset rows="20%,*">
<frame src="top.html">
<frameset cols="30%,*">
<frame src="left.html">
<frame src="right.html" name="right">
```

```
</frameset>
</frameset>
</head>
<body>
</body>
</html>
```

leftq5.html
```
<html>
<head>
<script>
</script>
</head>
<body>
Number of tickets<input type="number" name="" id="count">
<br>
<input type="submit" onclick="check()">
<h3 id="h3"></h3>
<script>
function check() {
var n = document.getElementById("count").value; if (n < 250) {
document.getElementById("h3").innerText = "Tickets Available";
} else
document.getElementById("h3").innerText = "Tickets Not
Available";
}
</script>
</body>
</html>
```

rightq5.html

```
<html>
```

```html
<head>
<style>
td {
padding: 8px;
}
tr:nth-child(2n) td { padding-top: 0;
}
tr:nth-child(2n+1) td { padding-bottom: 0;
}
div {
margin: 0 auto; position: absolute; width: 50%;left:
25%;
right: 25%;
top: 10%;
padding: 0;
}
</style>
</head>
<body>
<div>
<table cellspacing="5px" style="border:2px solid
black;width:100%">
<form action="#" method="POST" style=" margin:0;padding:0">
<tr>
<td>Source Station</td>
<td>Destination Station</td>
</tr>
<tr>
 <td><input type="text" placeholder="From"></td>
 <td><input type="text" placeholder="To"></td>
 </tr>
 <tr>
```

```html
<td>Train Name</td>
<td>Coach Number</td>
</tr>
<tr>
<td>
<select>
<option >Rajdhani Express</option>
<option >Shatabdi Express</option>
<option >Durunto Express</option>
<option >GareebRath</option>
<option >Chennai Express</option>
</select>
</td>
<td>
<select>
<option >S1</option>
<option >S2</option>
<option >S3</option>
<option >S4</option>
<option >S5</option>
<option >S6</option>
<option >S7</option>
<option >S8</option>
</select>
</td>
</tr>
<tr>
<td>Date</td>
<td>Time</td>
</tr>
<tr>
<td><input type="date"></td>
<td><input type="time"></td>
```

```html
</tr>
<tr>
<td>Gender</td>
<td>Count</td>
</tr>
<tr>
<td>
<select>
<option >Male</option>
<option >Female</option>
</select>
</td>
<td>
<input type="number">
</td>
</tr>
<tr>
<td align="right"><input type="submit"></td>
<td><input type="reset"></td>
</tr>
</form>
</table>
</div>
</body>
</html>
```

topq5.html

```html
<html>
<head>
<style>
body {
background: lightblue
}
img {
```

```
position: absolute; top: 2px;
left: 5px;
}
h1 {
margin: 0 auto; position: absolute; left:
25%;width: 50%;
top: 25%;
font-family: Roboto;
}
</style>
</head>
<body>
<img src="irctc.png" alt="irctc logo"
style="width:100px;height:120px";>
<h1 align="center">Online Railway Reservation System</h1>
</body>
</html>
```

Output:

6. 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 headerusing Javascript

selectors.

```html
<html>
    <head>
        <title>Table</title>
    </head>
    <body>
        <table border="1px" cellpadding="4px">
            <tr>
                <th>First Name</th>
                <th>Last Name</th>
                <th>City</th>
                <th>State</th>
            </tr>
            <tr>
                <td>Mannix</td>
                <td>Bolton</td>
                <td>Merizo</td>
                <td>Michigan</td>
            </tr>
            <tr>
                <td>Suki</td>
                <td>King</td>
                <td>Fairmont</td>
                <td>Oklahoma</td>
            </tr>
            <tr>
                <td>Shelby</td>
                <td>English</td>
                <td>Durham</td>
                <td>Arkansas</td>
            </tr>
            <tr>
                <td>Portia</td>
                <td>Burns</td>
                <td>Priceton</td>
                <td>Rhode Island</td>
            </tr>
            <tr>
                <td>Dacey</td>
                <td>Young</td>
                <td>Covina</td>
```
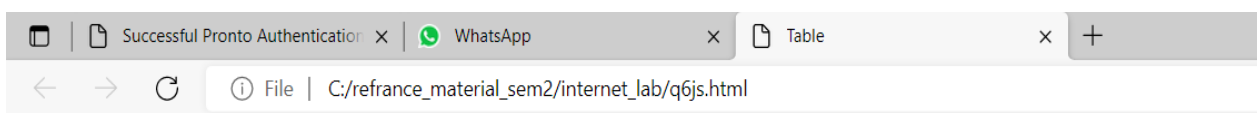
```
                <td>South Carolina</td>
        </tr>
        <tr>
                <td>Clark</td>
                <td>Reyes</td>
                <td>Grand Rapids</td>
                <td>New Jersey</td>
        </tr>
        <tr>
                <td>Maris</td>
                <td>Decker</td>
                <td>Sierra Madre</td>
                <td>Georgia</td>
        </tr>
    </table>

    <script>
        var arr=document.getElementsByTagName('tr');
        for(var i=0;i<arr.length;i++){
                if(i%2!=0){
                        arr[i].style.backgroundColor="gray";
                }
        }

    </script>
</body>
</html>
```

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

7. Write the Javascript 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 textfield and pressing Delete:

```html
<html>
<head>

<script src="https://code.jquery.com/jquery- 3.4.1.min.js"></script>
<style>
.btns {
margin-right: 4px;
}
</style>
<title> divide
</title>
</head>
<body> Divisible by :
<input type="number" id="query">
<input type="submit" onclick="divide()" value="delete">
<br> Click A Button :
<div id="buttons"></div>
<script src="scriptq7.js"></script>
</body>
    </html>
```
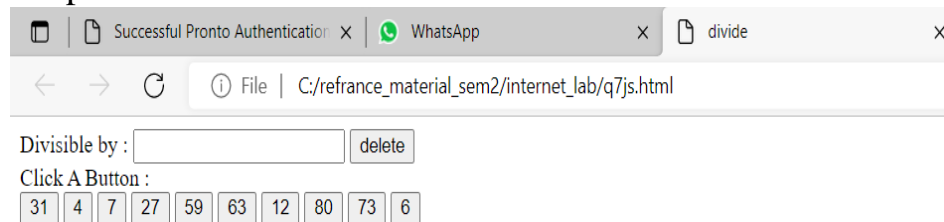
Scriptq7.js

```javascript
var arr = [];
for (var i = 0; i < 10; i++) {
var n = Math.round(Math.random() * 100) + 1;
$('#buttons').append("<button class=\"btns\" value=" + n + ">"
+ n + "</button>"
);
arr.push(n);
}
```

```
function divide() { var bts = $(".btns");
var nu = Number($("#query").val()); for (var i = 0; i < 10; i++) {

var d = bts[i]; console.log(d.text);
if (Number(d.innerHTML) % nu == 0) { console.log(d.text);
    d.style.display = "none"; console.log("deleted");
}
}
    }
```

Output:

8. Write the Javascript code to add behavior to the following pagefor 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.

```html
<html>

<head>
<script src="https://code.jquery.com/jquery- 3.4.1.min.js"></script>
<style>
li:nth-child(2n) { background: yellow;
}
#list {
width: 200px;
}
</style>
<title>To-do</title>
</head>
<body>
<h1>My super nifty to-do list</h1>
<ul id="list"></ul>
<input type="text" id="inputField">
<input type="submit" value="add" onclick="add()">
<input type="submit" value="remove" onclick="remove()">
<script src="scriptq8.js"></script>
</body>
</html>
```
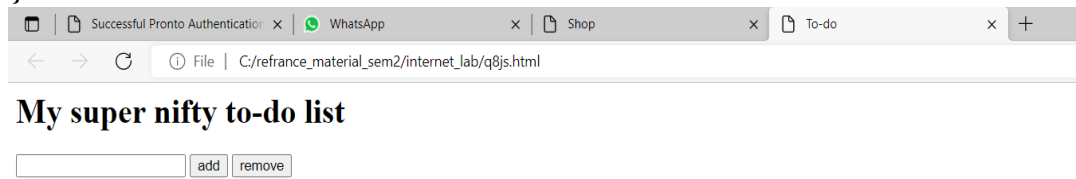
Scriptq8.js

```javascript
function add() {
var str = $("#inputField");
var s = "<li>" + str.val() + "</li>";
$("#list").append(s);
str.val("");
}
function remove() {
var str = $("#inputField").val(); str = str.toUpperCase();
var d = $("#list").children(); var n = d.length;

for (var i = 0; i < n; i++) {
if (d[i].textContent.toUpperCase() == str) { d[i].remove(); break;
}
```

```
}
$("#inputField").val("");
    }
```


My super nifty to-do list

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

```html
<html>
<head>
<title>Event Registration</title>
<meta charset="utf-8">
<!-- <meta name="viewport" content="width=device-width, initial-
    scale=1"> -->
<script src="https://code.jquery.com/jquery- 3.4.1.min.js"></script>
<script src="cities.json"></script>
<link rel="stylesheet"
    href="https://cdnjs.cloudflare.com/ajax/libs/font-
    awesome/4.7.0/css/font awesome.min.css">
</head>
<style> #select { display: none;

}

input[type="text"], select { width: 200px;
}

.top {
position: absolute; top: 0; left: 0;
width: 100%;
height: 15%; background: #264d73;
}

.middle {
```

```
position: absolute; top: 15%; left: 0;
width: 100%;
height: 85%; background: #b3c6ff; font-size: 12px; font-family:
    Consolas;
}
.bottom {
position: absolute; bottom: 0; left: 0;
width: 100%;
height: 8%; background: #264d73; z-index: 0;
}
i {
margin-right: 20px;
}
table {
margin: 0 auto;
height: 10%; padding-top: 0px; width: 30%;
/* border: 2px solid red; */

}
td:nth-child(1) {
text-align: right; font-weight: 800;
}
</style>
<body>
<div class="top" style="text-align:center;">
<h1 style="color:white;"><i class="fa fa-calendar" style="font-
    size:48px;color:red"></i>Event
Registration Form</h1>
</div>
<div class="middle">
<table cellpadding="10px">
<form method="POST" onsubmit="return check()">
<tr>
<td>First Name</td>
<td><input type="text"></td>
<td></td>
</tr>
<tr>
<td>Last Name</td>
<td><input type="text"></td>
<td></td>
</tr>
<tr>
```

```
<td>Mailing Address</td>
<td><input type="text" id="email"></td>
<td></td>
</tr>
<tr>
<td valign="top">City</td>
<td valign="top">
<input type="text" id="city" onkeyup="myFunc()"></td>

<td style="width:200px">
<select id="select"></select>
</td>
</tr>
<tr>
<td>State</td>
<td><select id="state" onchange="myFunc()"></select></td>
<td></td>
</tr>
<tr>
<td>Zip Code</td>
<td><input type="text" id="zip"></td>
<td></td>
</tr>
<tr>
<td style="border-
top:1.5px dashed black;">Are you speaking at<br> the
    conference?</td>
<td style="border top:1.5px dashed black;"><input type="checkbox"
    name="speaking">Yes<input type="chec kbox"
name="speaking">No</td>
<td></td>
</tr>
<tr>
<td>Conference pass</td>
<td><input type="radio" name="pass">1-Day pass<br>
<input type="radio" name="pass">2-Day pass<br>
<input type="radio" name="pass">3-Day pass<br>
<input type="radio" name="pass">4-Day pass
</td>
<td></td>
</tr>

<tr>
```

```
<td style="border-top:1.5px dashed black;">Meal Preference</td>
<td style="border-top:1.5px dashed black;">
<select id="meal">
<option>Select</option>
<option>Veg</option>
<option>Non-Veg</option>
</select>
</td>
<td></td>
</tr>
<tr>
<td colspan="3" id="display" style="text-
    align:center;color:red;"><pre> </pre></td>
</tr>
<div class="bottom">
<tr>
<td colspan="3" style="width:20%;position:absolute;z- index:1;text-
    align:center;bottom:0;"><input type="submit"></td>
</tr>
</div>
</form>
</table>
</div>
<!-- <div class="bottom"></div> -->
<script src="scriptq9.js"></script>
</body>
    </html>
```

    scriptq9.js

```
$(".option").on("click", function() { console.log("hello");
$("#city").val($(this).val());

});
var arr = "Select state,Andhra Pradesh,Arunachal
    Pradesh,Assam,Bihar,Chhattisgarh,Go
    a,Gujarat,Haryana,Himachal Pradesh,Jammu and
    Kashmir,Jharkhand,Karnataka,Kerala,Madh ya
    Pradesh,Maharashtra,Manipur,Meghalaya,Mizoram,Nagaland,
    Odisha,Punjab,Rajasthan,Si kkim,Tamil
    Nadu,Telangana,Tripura,Uttar Pradesh,Uttarakhand,West
    Bengal,Andaman and
Nicobar,Chandigarh,Dadra and Nagar Haveli,Daman and
    Diu,Lakshadweep,Delhi,Puducherry
```

```javascript
".split(",");
for (var i = 0; i < 36; i++) {
$("#state").append("<option>" + arr[i] + "</option>");
}
function check() { var bool = true; var txt = "";
var d = $("input:text");
$("#display").html(""); console.log(d);
for (var i = 0; i < d.length; i++) { console.log(d[i].value + "hello"); if
    (d[i].value == "") {
bool = false; txt += "text";
}
}
if ($("#state").val() == "Select state") { bool = false;
txt += "state";
}
d = $("input:checkbox");
if (!(d[0].checked || d[1].checked)) {

bool = false;
txt += "checkbox";
}
d = $("input:radio");
if (!(d[0].checked || d[1].checked || d[2].checked || d[3].checked)) {
bool = false; txt += "radio";
}
if ($("#meal").val() === "Select") { bool = false;
txt += "meal";
}
if (!bool) {
$("#display").html("*All fields are mandatory");
}
if ($('#zip').val().match(/^\d{5}$/) == null) {
$("#display").append("\nEnter correct Zip code"); bool = false;
}
if ($('#email').val().match(/^\w+([\.-]?\w+)*@\w+([\.-
]?\w+)*(\.\w{2,3})+$/) == null) {
$("#display").append("\nEnter correct mailing address "); bool =
    false;
}
return bool;
}
function myFunc() {
$("#select").html(""); var data = my;
```

```
var arr = data[$("#state").val()];
var str = $("#city").val();
if (str == "") $("#select").css("display", "none");
// console.log(str);

var bool = true;
for (var i = 0; i < arr.length; i++) {
if (arr[i].toLowerCase().startsWith(str.toLowerCase()) && str != "")
    {
$("#select").css("display", "block"); bool = false;
$("#select").append("<option class='option'>" + arr[i] + "</option>");
}
}
if (bool) $("#select").css("display", "none");
}
document.getElementById("select").addEventListener("click",
    function() {
    console.log(document.getElementById('select').value);
$('#city').val(document.getElementById('select').value)
$("#select").css("display", "none");
    });
```


10.Write the HTML code to create the form with the following
   capabilities a) A text widget to collect the users name b) Four
   check boxes, one each for the following items i. Four 100 watt
   light bulbs for Rs. 20=39 ii. Eight 100 watt light bulbs for Rs
   40=20 iii. Four 100 watt long life light bulbs for Rs. 30=95

iv.Eight 100 watt long life light bulbs for Rs 70=49 c) A collection of 3 radio buttons that are labeled as follows i. Visa ii. Master Card iii. Discover d) Computes the total cost of the ordered lightbulbs for the above program after adding 13.5% VAT. The program must inform the buyer of exactly what was ordered in table using Javascript

```html
<!DOCTYPE html>
<html>
<head>
	<meta charset="utf-8">
	<meta name="viewport" content="width=device-width, initial-scale=1">
	<title>Shop</title>

	<style type="text/css">
		.a{
			font-size: 30px;
			margin-right: 110px;
		}
	</style>

</head>
<body>
	<form onsubmit="return validation()">
	User:<input type="text" id="user" size="30px">
	<table>
		<th>
			<b class="a">Select the items :</b>
		</th>
		<th>
			<b class="a">Quantity</b>
		</th>
		<tr>
			<td>
				<input type="checkbox" id="first">Four
100 watt light bulbs for Rs. 20.39
```

```html
                                </td>
                                <td>
                                        <input type="text" size="4px"
id="firstInput">
                                </td>
                        </tr>


                        <tr>
                                <td>
                                        <input type="checkbox"
id="second">Eight 100 watt light bulbs for Rs 40.20
                                </td>
                                <td>
                                        <input type="text" size="4px"
id="secondInput">
                                </td>
                        </tr>


                        <tr>
                                <td>
                                        <input type="checkbox" id='third'>Four
100 watt long life light bulbs for Rs. 30.95
                                </td>
                                <td>
                                        <input type="text" size="4px"
id="thirdInput">
                                </td>
                        </tr>


                        <tr>
                                <td>
                                        <input type="checkbox"
id="forth">Eight 100 watt long life light bulbs for Rs 70.49
                                </td>
```

```html
					<td>
							<input type="text" size="4px" id="forthInput">
					</td>
			</tr>
			<tr>
					<td>
							<input type="radio" name="payment" value="visa" id="fifth">VISA
					</td>
			</tr>
			<tr>
					<td>
							<input type="radio" name="payment" value="mastercard" id="six">MASTER CARD
					</td>
			</tr>
			<tr>
					<td>
							<input type="radio" name="payment" value="discover" id="seven">DISCOVER
					</td>
			</tr>
			<tr>
					<td>

		<input type="submit" name="submit" value="submit">
		<input type="reset" name="ResetOrder">
					</td>
			</tr>
		</table>
</form>
			<p id="output"></p>


		<script type="text/javascript">
```

```javascript
var price1,price2,price3,price4;
var total1=0,total2=0,total3=0,total4=0;
var totalPrice=0;
var tax,payment;

var
name=document.getElementById('user').value;

function validation() {



if(document.getElementById('first').checked==true){


if(document.getElementById("firstInput").value==""){
price1=0;
}
else{

price1=document.getElementById("firstInput").value;
total1=price1*20.39;
}
}else{
price1=0;
}


if(document.getElementById('second').checked==true){


if(document.getElementById("secondInput").value==""){
price2=0;
}else{

price2=document.getElementById("secondInput").value;
total2=price2*40.20;
```

```javascript
                }
        }else{
                price2=0;
        }


if(document.getElementById('third').checked==true){

if(document.getElementById("thirdInput").value==""){
                        price3=0;
                }else{

price3=document.getElementById("thirdInput").value;
                        total3=price3*30.95;
                }
        }else{
                price3=0;
        }


if(document.getElementById('forth').checked==true){


if(document.getElementById("forthInput").value==""){
                        price4=0;
                }else{

price4=document.getElementById("forthInput").value;
                        total4=price4*70.49;
                }
        }else{
                price4=0;
        }

        totalPrice=total1+total2+total3+total4;
        tax=(totalPrice*13.5)/100;
        totalPrice=totalPrice+tax;
```

```
if(document.getElementById("fifth").checked==true){
                payment="VISA";
                output();
        }else
if(document.getElementById("six").checked==true){
                payment="MASTER CARD";
                output();


        }else
if(document.getElementById("seven").checked==true){
                payment="DISCOVER";
                output();
        }else{
                alert("Please Select Any Payment
Method.");
        }
        return false;
    }

    function output() {

    document.getElementById('output').innerHTML="<font
size=20px>"+name+"</font><br><b><h2>You have orderd
follwing items</h2></b><br> <table
border=1px><th>Item</th><th>Qty</th><th>Price</th><th>Tot
al</th><tr><td>Four 100 watt light bulbs for Rs.
20.39</td><td>"+price1+"</td><td>20.39</td><td>"+total1+"</t
d></tr> <tr><td>Eight 100 watt light bulbs for Rs
40.20</td><td>"+price2+"</td><td>40.20</td><td>"+total2+"</t
d></tr> <tr><td>Four 100 watt long life light bulbs for Rs.
30.95</td><td>"+price3+"</td><td>30.95</td><td>"+total3+"</t
d></tr> <tr><td>Eight 100 watt long life light bulbs for Rs
70.49</td><td>"+price4+"</td><td>70.49</td><td>"+total4+"</t
d></tr></table><br><br>Total bill including 13.5% tax :
<b>"+totalPrice+"</b> payment mode : <b>"+payment+"</b>";
        }
```
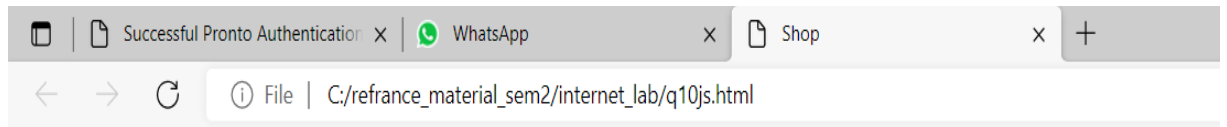
```
        </script>


</body>
</html>
```

User:

Select the items :   Quantity

☑ Four 100 watt light bulbs for Rs. 20.39

☐ Eight 100 watt light bulbs for Rs 40.20

☐ Four 100 watt long life light bulbs for Rs. 30.95

☐ Eight 100 watt long life light bulbs for Rs 70.49

◉ VISA

○ MASTER CARD

○ DISCOVER

submit   Reset