



**VIT**<sup>®</sup>  
**Vellore Institute of Technology**  
(Deemed to be University under section 3 of UGC Act, 1956)

## **School of Information Technology and Engineering**

### **ITA6003 – INTERNET AND WEB PROGRAMMING**

#### **ASSESSMENT - II**

**NAME:** SURENDRA REDDY P

**FACULTY:** Prof SHYNU P G

**REGNO:** 19MCA0175

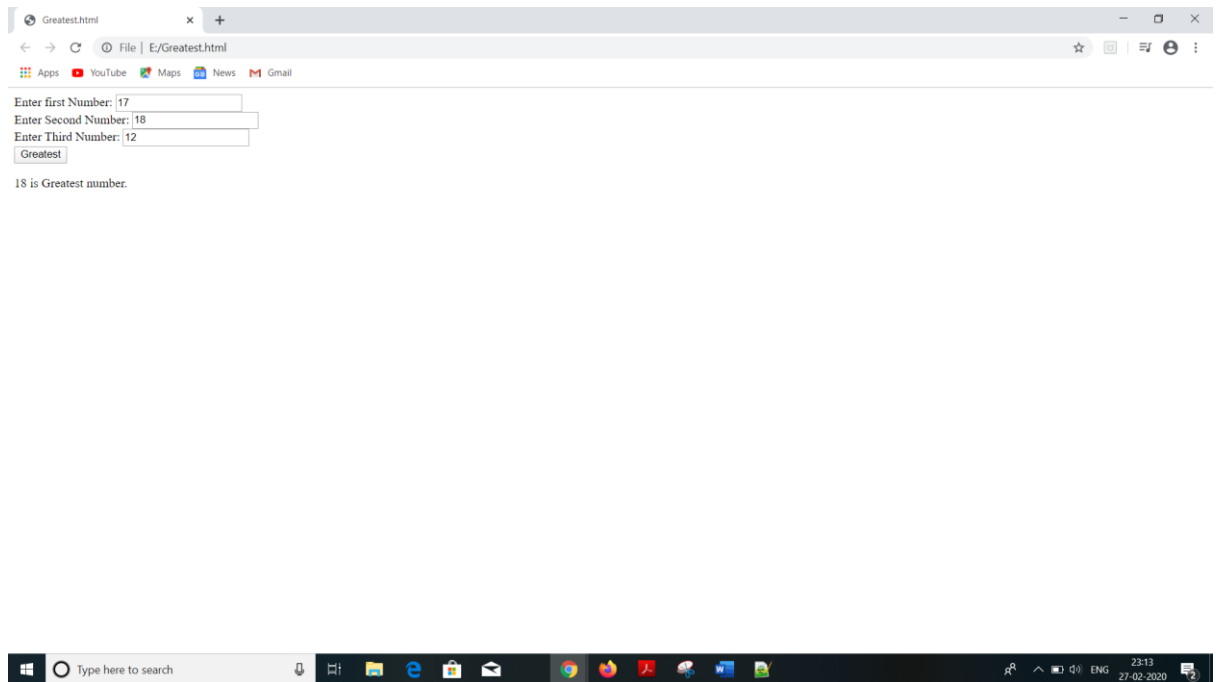
**SLOT:** L45 + L46

- 1) Write a script to take three numbers from the user and display the greatest number out of three.

#### **Code:**

```
<!Doctype html>
<html>
<head>
<script>
function GreatestNumber(){
var a= document.getElementById('t1').value;
var b= document.getElementById('t2').value;
var c= document.getElementById('t3').value;
var num=Math.max(a, b,c);
document.getElementById('output').innerHTML=num+" is Greatest number.";
}
</script>
</head>
<body>
Enter first Number: <input type="text" id="t1"><br>
Enter Second Number: <input type="text" id="t2"><br>
Enter Third Number: <input type="text" id="t3"><br>
<button type="button" onclick="GreatestNumber()">Greatest</button><br>
<p id="output"></p> </body>
</html>
```

## Output:



- 2) Create two functions that calculate properties of a circle. Create a function called `calcCircumfrence` to Pass the radius to the function and Calculate the circumference based on the radius and output "The circumference is NN". Create a function called `calcArea` to Pass the radius to the function. Calculate the area based on the radius, and output "The area is NN".

## Code:

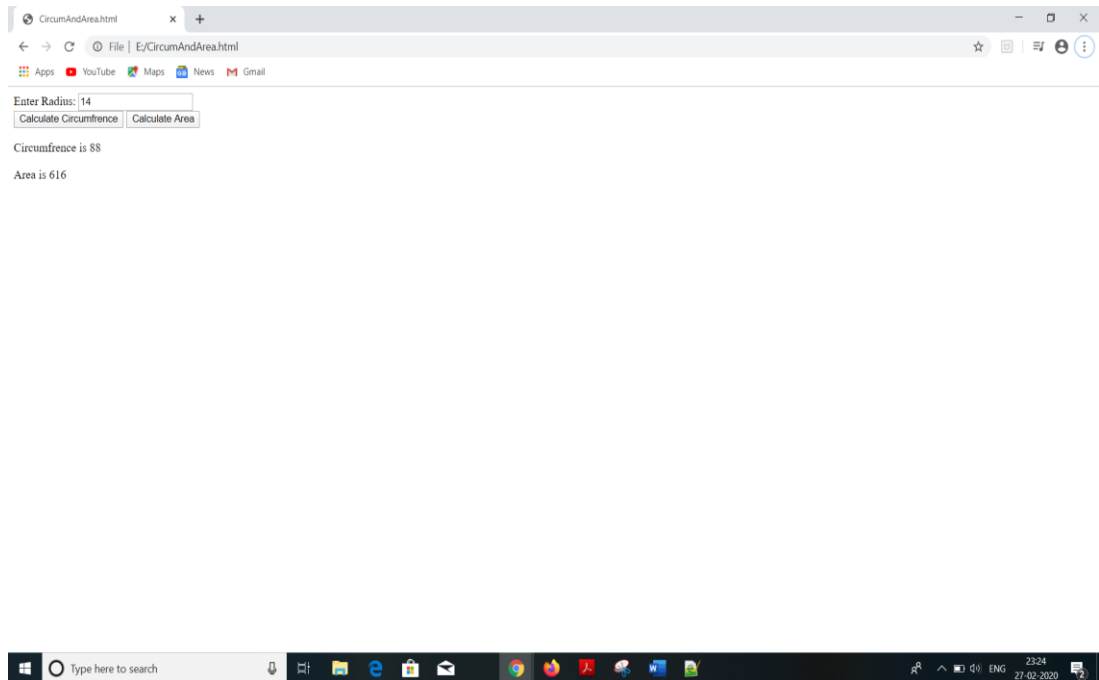
```
<!Doctype html>
<html>
<head>
<script>
function calcCircumfrence(){
var r= document.getElementById('t1').value;
var calc=2 * 22/7 * r;
document.getElementById('output1').innerHTML="Circumfrence is "+calc;
}
function calcArea(){
var r= document.getElementById('t1').value;
var area=22/7 * r * r;
document.getElementById('output2').innerHTML="Area is "+area;
}
</script>
</head>
<body>
Enter Radius: <input type="text" id="t1"><br>
```

```

<button type="button" onclick="calcCircumfrence()">Calculate
Circumfrence</button>
<button type="button" onclick="calcArea()">Calculate Area</button><br>
<p id="output1"></p>
<p id="output2"></p>
</body>
</html>

```

## Output:



- 3) Complete the following function called Count that takes an array of integers and the size of the array, and return the number of items in the array that is greater than 13 and less than 29.

## Code:

```

<!Doctype html>
<html> <head>
<script>
function Count(){
var IntegerData=new Array(48,36,15,14,3,8,24,6,18,79);
for(var i=0; i<IntegerData.length; i++){
if(IntegerData[i]>13 && IntegerData[i]<29){
var data=IntegerData[i];
document.getElementById('output1').innerHTML="Size    of    an    array    is
"+IntegerData.length;
document.getElementById('output2').append(data+" ", "");
}
}
}

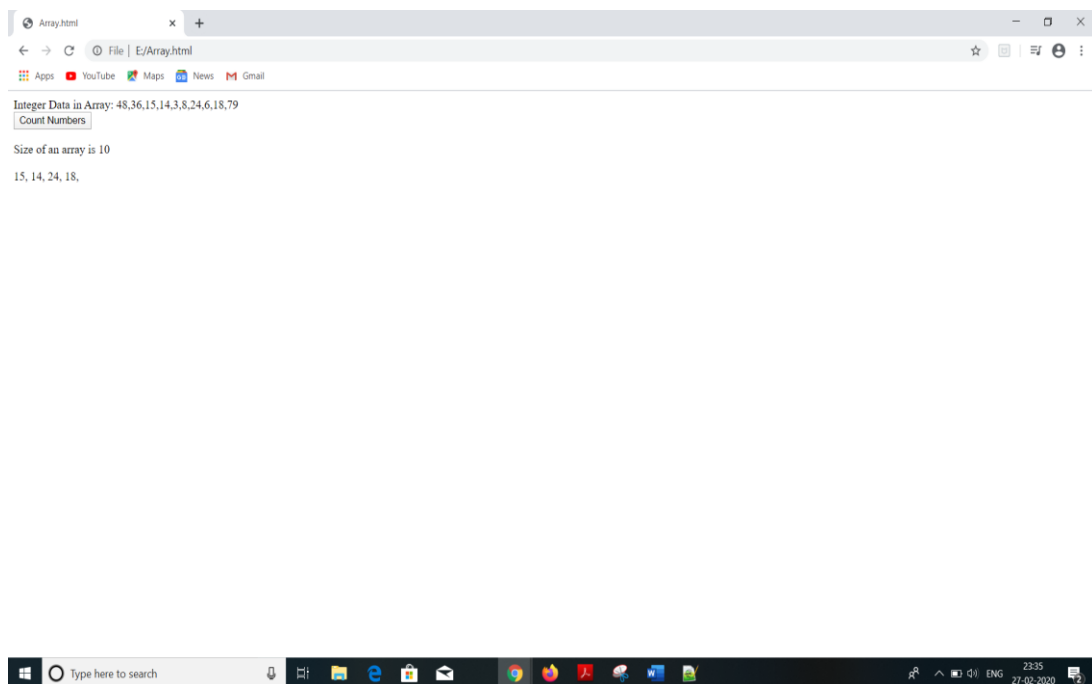
```

```

}
</script>
</head>
<body>
Integer Data in Array: 48,36,15,14,3,8,24,6,18,79<br>
<button type="button" onclick="Count()">Count Numbers</button>
<p id="output1"></p>
<div id="output2"> </div>
</body>
</html>

```

## Output:



- 4) Write a JavaScript to implement Age calculator which displays age in days, months and years.

## Code:

```

<!Doctype html>
<html>
<head>
<script>
function ageCalculate(){
var birthDate =document.getElementById("birth_date").value;
var d = new Date(birthDate);
var mdate = birthDate.toString();
var yearThen = parseInt(mdate.substring(0,4), 10);
var monthThen = parseInt(mdate.substring(5,7), 10);

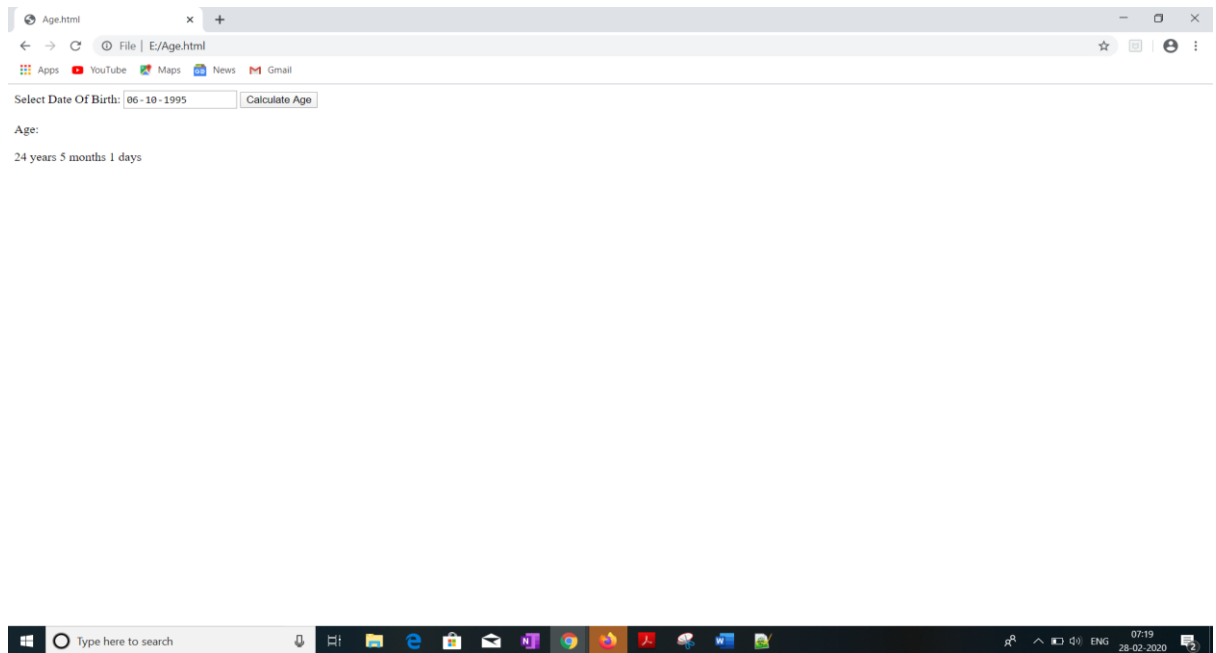
```

```

var dayThen = parseInt(mdate.substring(8,10), 10);
var today = new Date();
var birthday = new Date(yearThen, monthThen-1,
dayThen);
var differenceInMilisecond = today.valueOf() -
birthday.valueOf();
var year_age = Math.floor(differenceInMilisecond /
31536000000);
var day_age = Math.floor((differenceInMilisecond %
31536000000) / 86400000);
var month_age = Math.floor(day_age/30);
day_age = day_age % 30;
var tMnt= (month_age + (year_age*12));
var tDays =(tMnt*30) + day_age;
if (isNaN(year_age) || isNaN(month_age) ||
isNaN(day_age)) {
document.getElementById("age").innerHTML =
("Invalid birthday");
}
else {
document.getElementById("age").innerHTML =
year_age + " years " + month_age + " months " + day_age + " days";
}
}
</script>
</head>
<body>
Select Date Of Birth:
<input type="date" id="birth_date">
<input type="button" value="Calculate Age" onclick="ageCalculate()">
<br/><br/>
Age:
<br/>
<br/>
<div id="age"></div>
<p id="demo"></p>
</body>
</html>

```

## Output:

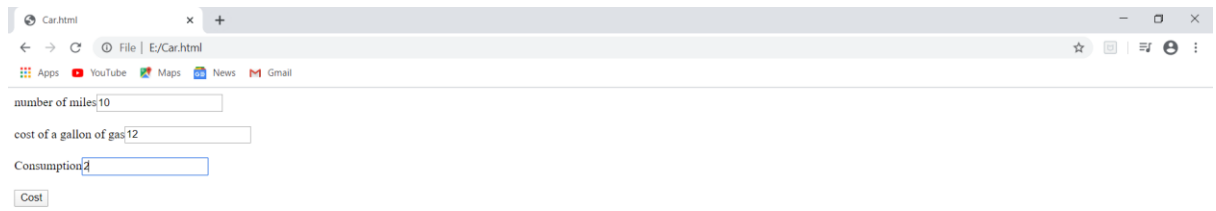


- 5) Write a program that reads number of miles, cost of a gallon of gas, and car gas consumption (miles per gallon) and then determines the cost of a specific trip. The output should be displayed using document.writeln

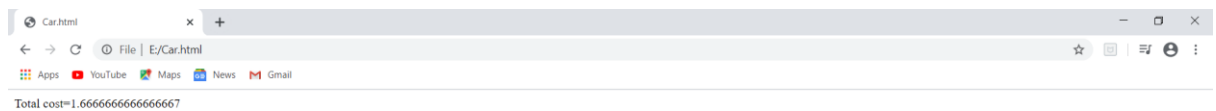
## Code:

```
<!DOCTYPE html>
<html>
<head>
<script>
function costp(){
var miles=document.getElementById('miles').value;
var cost=document.getElementById('cost').value;
var consumption=document.getElementById('cons').value;
var total_cost=(parseInt(miles)/parseInt(cost))*parseInt(consumption);
document.writeln("Total cost=",total_cost)
}
</script>
</head>
<body>
number of miles<input type="text" name="miles" id="miles"><br><br>
cost of a gallon of gas<input type="text" name="cost" id="cost"><br><br>
Consumption<input type="text" name="cons" id="cons"><br><br>
<input type="button" onclick="costp()" value ="Cost"><br>
</body>
</html>
```

## Output:



A screenshot of a web browser window titled 'Car.html'. The address bar shows 'File | E:/Car.html'. Below the browser window, there is a form with three input fields: 'number of miles' with the value '10', 'cost of a gallon of gas' with the value '12', and 'Consumption' with the value '4'. A 'Cost' button is located below the 'Consumption' field.



A screenshot of the same web browser window titled 'Car.html'. The address bar shows 'File | E:/Car.html'. Below the browser window, the text 'Total cost=1.6666666666666667' is displayed.



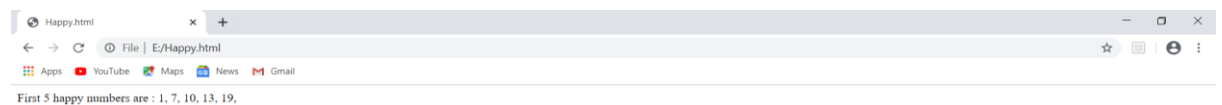
- 6) According to Wikipedia a happy number is defined by the following process :
- "Starting with any positive integer, replace the number by the sum of the squares of its digits, and repeat the process until the number equals 1 (where it will stay), or it loops endlessly in a cycle which does not include 1. Those numbers for which this process ends in 1 are happy numbers, while those that do not end in 1 are unhappy

numbers (or sad numbers). Write a JavaScript program to find and print the first 5 happy numbers.

### Code:

```
<html>
<head>
<body>
<script>
function happy_number(num)
{
var m, n ; var c = [] ;
while(num != 1 && c[num] !== true)
{
c[num] = true ; m = 0 ; while (num > 0)
{
n = num % 10 ; m += n * n ; num = (num - n) / 10 ;
}
num = m ;
}
return (num == 1) ;
}
var cnt = 5;
var num = 1;
var f5 = ""; while(cnt-- > 0) { while(!happy_number(num)) num++ ; f5 = f5+(num + ",
");
num++ ; } document.write('First 5 happy numbers are : '+f5);
</script>
</body>
</html>
```

### Output:





- 7) Develop an Online Greetings Designer using Javascript and CSS. Add options to
- i) change the image
  - ii) Position the image (left, background, right)
  - iii) Edit text
  - iv) Change font size
  - v) Change font color

**Code:**

```
<!Doctype html>
<html>
<head>
<script>
function changeImagePosition(position){
if(position=="right"){
var gimage=document.getElementById('gimage');
gimage.style.float="right";
}else if(position=="left"){
var gimage=document.getElementById('gimage');
gimage.style.float="left";
}else if(position=="bg"){
var gimage=document.getElementById('gimage');
gimage.style.display="none";
var
imgpaths=document.getElementById('imgpaths').value;
document.getElementById('bodybg').style.backgroundImage = "url('"+imgpaths+"')";
}
}
function addText(){
var textenter=document.getElementById('textenter').value;
var textval=document.getElementById('textval');
textval.innerHTML=textenter;
}
function addImage(){
var imgpaths=document.getElementById('imgpaths').value;
var gimage=document.getElementById('gimage');
gimage.setAttribute("src",imgpaths);
}
function Textcolor(){
var textcolor=document.getElementById('textcolor').value;
var textval=document.getElementById('textval');
textval.style.color=textcolor;
}
function Textsize(){
var textsize=document.getElementById('textsize').value;
var textval=document.getElementById('textval');
textval.style.fontSize=textsize+"px";
}
```

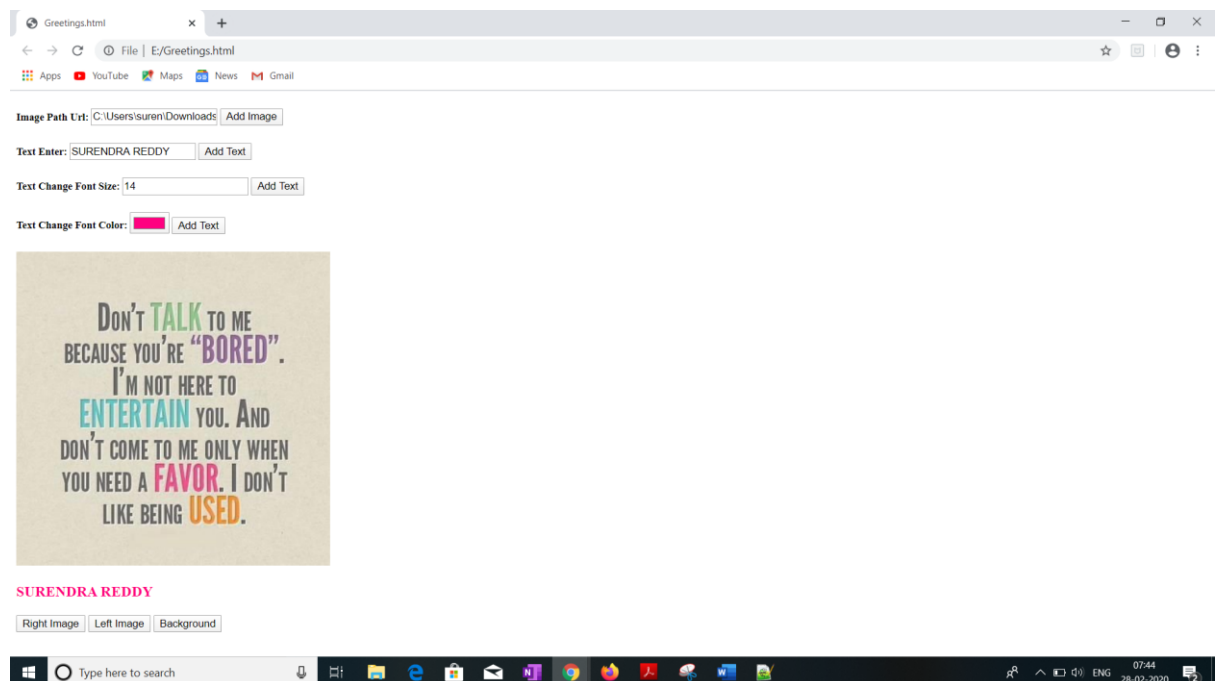
```

</script>
</head>
<body id="bodybg">
<div>
<h5>Image Path Url: <input type="text" id="imgpaths"> <button
type="text" onclick="addImage()">Add Image</button></h5>
<h5>Text Enter: <input type="text" id="textenter"> <button
type="text" onclick="addText()">Add Text</button></h5>
<h5>Text Change Font Size: <input type="number" id="textsize">
<button type="text" onclick="Textsize()">Add Text</button></h5>
<h5>Text Change Font Color: <input type="color" id="textcolor">
<button type="text" onclick="Textcolor()">Add Text</button></h5>
</div>
<div>

</div>
<div>
<h3 id="textval" style="">This is Text.</h3>
</div>
<button type="button" onclick="changeImagePosition('right')">Right
Image</button>
<button type="button" onclick="changeImagePosition('left')">Left
Image</button>
<button type="button"
onclick="changeImagePosition('bg')">Background</button>
</body>
</html>

```

## Output:



- 8) Design a HTML page to generate an image slide show using Javascript. First input all the images (minimum of 5 images) you want to add to the slideshow. Add a button to start the slideshow. Repeatedly starting from the first to last, display each image for 5 seconds and then display the next image. Add two buttons to view the previous and next image.

**Code:**

```
<!Doctype html>
<html>
<head>
<script>
var images=new Array();
function startSideShow(){
var i=0;
setInterval(function(){
var img=images[i];
document.getElementById('gtimage').setAttribute("src",img);
document.getElementById('slideimgnum').innerHTML=i+1;
document.getElementById('slideimgnumlength').innerHTML=images.length;
if(i<images.length){
if(i==images.length-1){
i=0;
}else{
i++;
}
}else{
i=0;
}
},5000);
}
function addImage(){
if(images.length==0){
i=0;
images[i]=document.getElementById('imgpaths').value;
}else{
var len=images.length;
if(images.length<5){
images[len]=document.getElementById('imgpaths').value;
}
}
}
function prevoiusImage(){
if(i==0){
i=images.length-1;
var img=images[i];
document.getElementById('gtimage').setAttribute("src",img);
```

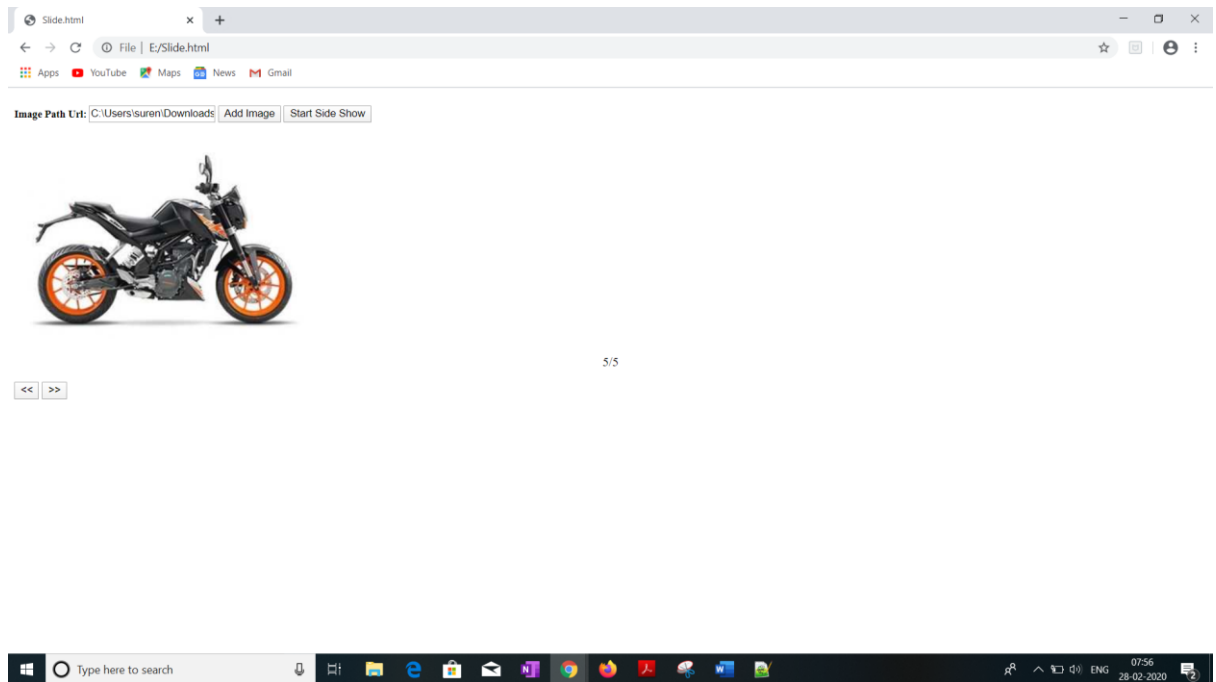
```

document.getElementById('slideimgnum').innerHTML=i+1;
document.getElementById('slideimgnumlength').innerHTML=images.length;
}else{
i--;
var img=images[i];
document.getElementById('gtimage').setAttribute("src",img);
document.getElementById('slideimgnum').innerHTML=i+1;
document.getElementById('slideimgnumlength').innerHTML=images.length;
}
}
function nextImage(){
if(i==images.length-1){
i=0;
var img=images[i];
document.getElementById('gtimage').setAttribute("src",img);
document.getElementById('slideimgnum').innerHTML=i+1;
document.getElementById('slideimgnumlength').innerHTML=images.length;
}else{
i++;
var img=images[i];
document.getElementById('gtimage').setAttribute("src",img);
document.getElementById('slideimgnum').innerHTML=i+1;
document.getElementById('slideimgnumlength').innerHTML=images.length;
}
}
</script>
</head>
<body id="bodybg">
<div>
<h5>Image Path Url: <input type="text" id="imgpaths">
<button type="text" onclick="addImage()">Add Image</button>
<button type="text" onclick="startSideShow()">Start Side
Show</button>
</h5>
</div>
<div>

<p style="text-align:center"><span id="slideimgnum"></span><span
id="slideimgnumlength"></span></p>
</div>
<button type="button" onclick="prevoiusImage()">&lt;&lt;</button>
<button type="button" onclick="nextImage()">&gt;&gt;</button>
</body>
</html>

```

**Output:**



- 9) Design an online Resume Generator using HTML and Javascript. Design a HTML page where the user can input his personal, academic and experience details. Using Javascript generate the formatted resume.

### Code:

```
<!Doctype html>
<html>
<head>
<script>
function createResume(){
var fullnamme= document.getElementById('name').value;
var mobnumber= document.getElementById('number').value;
var address= document.getElementById('address').value;
document.getElementById('fullname').innerHTML=fullnamme;
document.getElementById('mobnumber').innerHTML=mobnumber;
document.getElementById('fulladdress').innerHTML=address;
var b10= document.getElementById('10b').value;
var s10= document.getElementById('10s').value;
var p10= document.getElementById('10p').value;
var c10= document.getElementById('10c').value;
document.getElementById('10thboard').innerHTML=b10;
document.getElementById('10school').innerHTML=s10;
document.getElementById('10year').innerHTML=p10;
document.getElementById('10cgpa').innerHTML=c10;
var b12= document.getElementById('12b').value;
var s12= document.getElementById('12s').value;
```



```

<div style="background:#333;color:white;margin:5px
0px ;padding:5px 10px">Academic Inforation</div>
<table>
<tr>
<th>Class</th>
<th>Board</th>
<th>School / University</th>
<th>Passing Year</th>
<th>CGPA</th>
</tr>
<tr>
<td>10<sup>th</sup></td>
<td id="10thboard"></td>
<td id="10school"></td>
<td id="10year"></td>
<td id="10cgpa"></td>
</tr>
<tr>
<td>12<sup>th</sup></td>
<td id="12thboard"></td>
<td id="12thschool"></td>
<td id="12thyear"></td>
<td id="12thcgpa"></td>
</tr>
</table>
<h1 style="margin:5px 0px 5px 10px"
id="fullname"></h1>
<h4 style="margin:5px 0px 5px 10px"
id="mobnumber"></h4>
<h5 style="margin:5px 0px 5px 10px"
id="fulladdress"></h5>
</div>
</div>
</body>
</html>

```

## Output:

Resume.html

Personal Info

Enter Full Name: SURENDRA REDDY

Enter Mobile Number: 9513300777

Enter Address: Vellore

Academic Info

Enter 10th Board: Tamil Nadu Board

Enter 10th School: Vidyaniketan

Enter 10th Passing Year: 2012

Enter 10th CGPA: 80

Enter 12th Board: Tamil Nadu Board

Enter 12th School: Sri Hanumanthana

Enter 12th Passing Year: 2014

Enter 12th CGPA: 77

Submit

Mr. Resume

Personal Information

**SURENDRA REDDY**

9513300777

Vellore

Academic Information

Class	Board	School / University	Passing Year	CGPA
10 <sup>th</sup>	Tamil Nadu Board	Vidyaniketan	2012	80
12 <sup>th</sup>	Tamil Nadu Board	Sri Hanumanthana	2014	77

- 10) 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 text input field to obtain the input from the user.

**Code:**

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
<div class="data">
Enter name:<input type="text" id="nam"><br>
Enter hrs:-<input type="text" id="hrs">
<button onclick="enter_data()">Add Data</button>
</div>
<button onclick="show_data()">Show data</button><br><br>
<button onclick="show_latest_data()">Show Last data</button><br><br>
<div class="answer">
Total Collection=<span id="total"></span>
</div>
Yesterday:-
<div class="all_Data">
<span id="0"></span><br>
<span id="1"></span><br>
<span id="2"></span><br>
<span id="3"></span><br>
<span id="4"></span><br>
</div>
Latest:-
<span id="lat"> </span>
<script>
var arr=[];
var hrs=[];
var total_amt=[];
var count=0;
function enter_data() {
var hrs_place=parseFloat(document.getElementById('hrs').value);
var name=document.getElementById('nam').value;
arr.push(name);
```

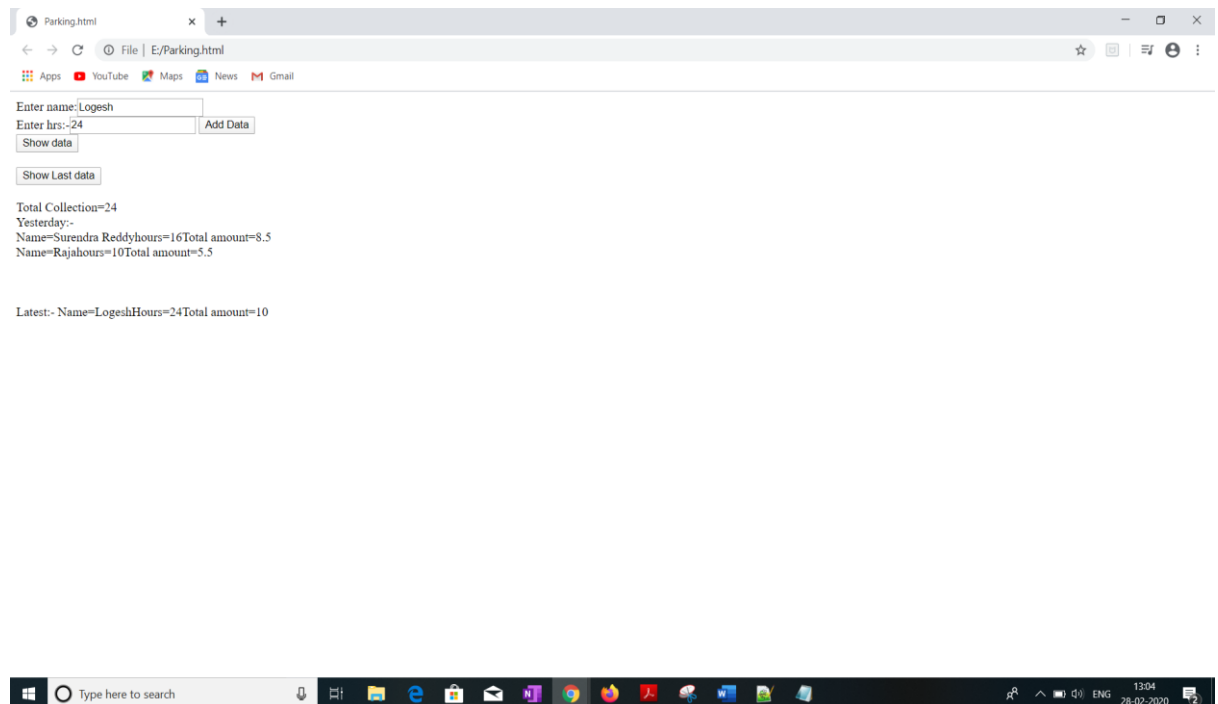


```

hrs.push(hrs_place);
if(hrs_place <= 3)
{
total_amnt=parseFloat("2");
total_amt.push(total_amnt);
}
else if(hrs_place>3 && hrs_place <24){
total_amnt=2+(hrs_place-3)*0.50;
if(total_amnt>10){
total_amnt=10;
total_amt.push(total_amnt);
}
else{
total_amt.push(total_amnt);
}
}
else{
total_amt.push(parseFloat("10"));
}
}
function show_data(){
var sum=0;
for(var j=0;j<total_amt.length;j++){
sum=sum+total_amt[j];
}
document.getElementById('total').innerHTML=sum;
for(var i=0;i<arr.length-1;i++){
var data="Name="+arr[i]+"hours="+hrs[i]+"Total amount="+total_amt[i];
var c=i.toString();
document.getElementById(c).innerHTML = data;
}
document.getElementById()
}
function show_latest_data(){
var n=arr.length;
var data="Name="+arr[n-1]+"Hours="+hrs[n-1]+"Total
amount="+total_amt[n-1];
document.getElementById('lat').innerHTML= data;
}
</script>
</body>
</html>

```

## Output:



- 11) Develop a word decoder challenge game using HTML, CSS and JavaScript. Present the player with a set of scrambled word & hint and challenge him to unscramble them. For each attempt randomly select a word, refresh the browser window dynamically and display the scrambled word in red. Once the player thinks the word has been properly decoded, he clicks on the Check Answer button to see the results. If the answer is correct, the player is notified via a success message displayed in a popup dialog window or displays a failure message.

## Code:

```
<html>
<head>
<style>
. game{
border-styLe: solid;
border-width : 1px;
height: 300px;
width:300px;
margin-Left:38%;
margin-top:50px;
#wrong{
font-size:20px;
font-family: Lucida Sans Unicode;
}
_scrambled{
```

```

height:20px;
width:200px;
border-style:solid;
border-width:1px;
text-align:center;
padding:10px;
margin-left:10%;
margin-top:10px;
}
.answer{
margin-top:30px;
padding-top:10px;
height:50px;
width:220px;
border-style:solid;
border-width:1px;
margin-left:30px;
}
.buttons{
margin-top:30px;
margin-left:10px;
}
</Style>
<script>
var words=["WRONG","BACKGROUND","RIGHT","CUP"];
var hint=["Jo turn hamesha hote ho","Agar actor hote to vo actor hote","Jo tum
kabhi nahi hote","loote ka choota bhai"]
var random=0;
var word;
function start(){
var temp=words.length;
random= Math.floor(Math.random()* temp);
word=words[random];
var data=words[random];
f/var scr_word=document.getElementById("wrong").innerHTML.data;
scramble();
function scramble(){
var data=words[random];
var scr_word="";
var arr= [];
var no= Math.floor(Math.random()* data.length);
for(var i=0;i<data.length;){
var n= Math.floor(Math.random()*data.length);
if(arr.length== 0){
arr.push(n);
scr_word+=data[n];
}
var a=arr.indexOf(n);
if (a== -1){
arr.push(n);

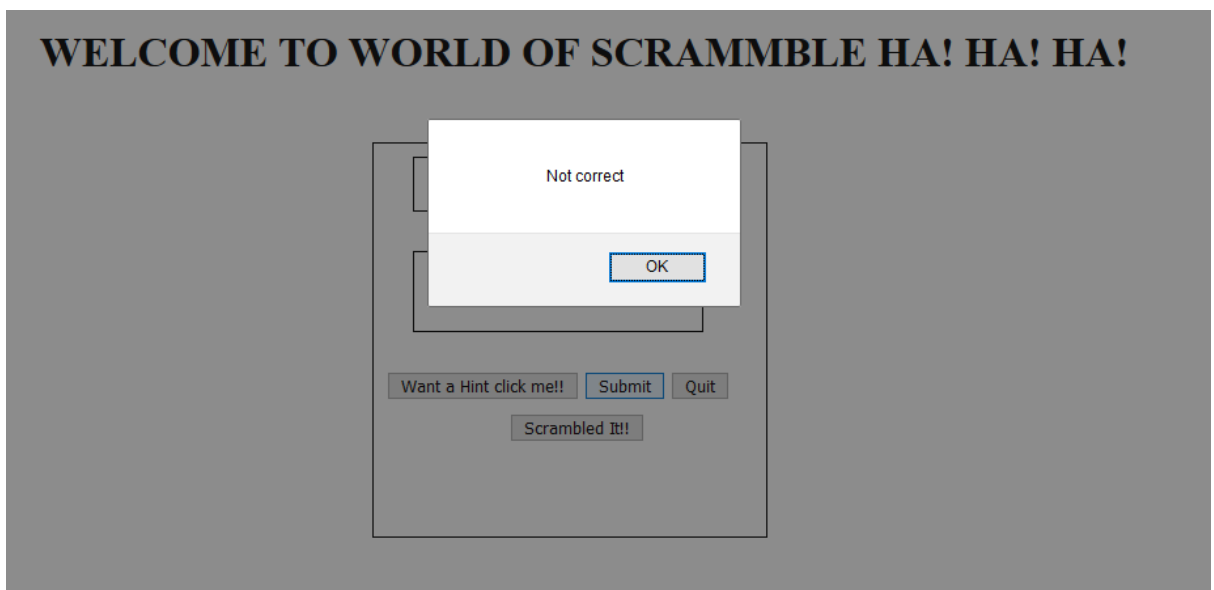
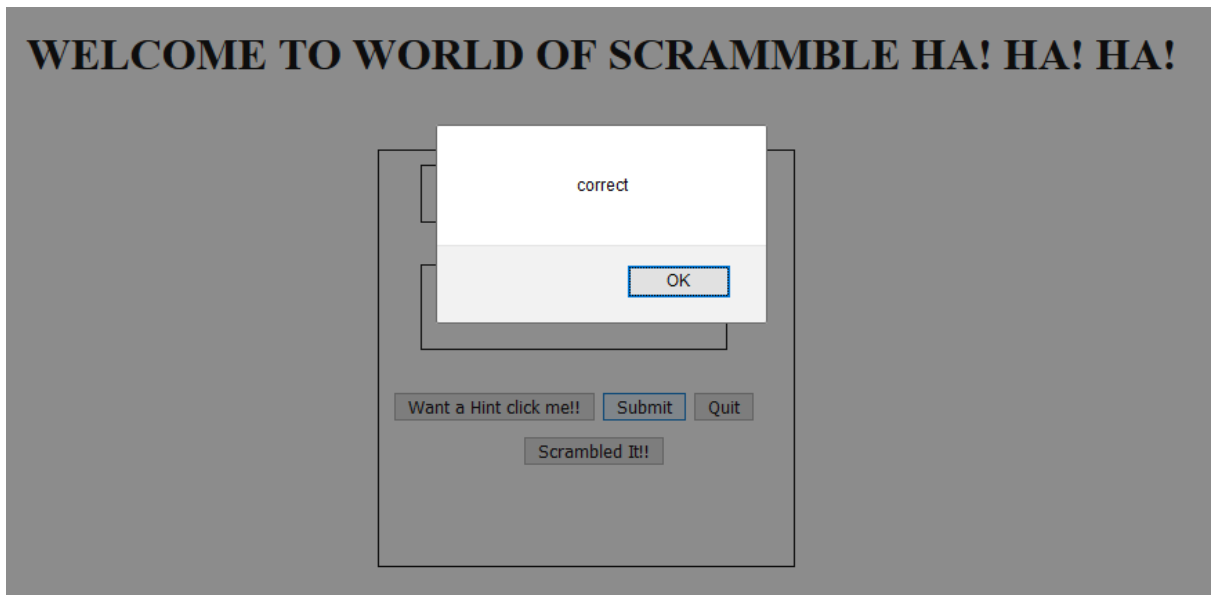
```

```

scr_word+=data[n];
}
if(scr_word.length==data.length){
break;
}
}
document.getElementById("wrong").innerHTML+=scr_word;
}
function submit(){
var input=document.getElementById('ans').value;
input=input.toUpperCase();
if(input==word){
alert("correct");
start();
}
else{
alert("Not correct");
}
}
}
function hint(){
var a=words.indexOf(word);
alert(hintl[a]);
}
</script>
</head>
<body onload=start()>
<center><h1 style="margin-top:100px;">WELCOME TO WORLD OF
SCRAMBLE HA! HA! HAI</h1></center>
<div class="game">
<div class="scrambled">
<span id="wrong" style="color:black"></span>
</div>
<div class="answer">
<center><input type="text" id="ans" placeholder="Enter your word" style="border-
radius:5px;
width:180px;height:30px"></center>
</div>
<div class="buttons">
<button onclick="hint()">Want a Hint click me</button>
<button onclick="submit()">Submit</button>
<button onclick="alert('Thank u')>Quit</button>
<center><button style="margin-top:10px;" onclick="scramble()">Scrambled
It!!</button></center>
</div>
</div>
<script>
</script>
</body>
</html>

```

**Output:**



12) Develop a JavaScript program that will determine whether a department-store customer has exceeded the credit limit on a charge account. For each customer, the following facts are available:

- a) Account number
- b) Balance at the beginning of the month
- c) Total of all items charged by this customer this month
- d) Total of all credits applied to this customer's account this month
- e) Allowed credit limit

The program should input each of these facts from a prompt dialog as an integer, calculate the new balance (= beginning balance + charges – credits), display the new balance and determine whether the new balance exceeds the customer's credit limit. For customers whose credit limit is exceeded, the program should output HTML text

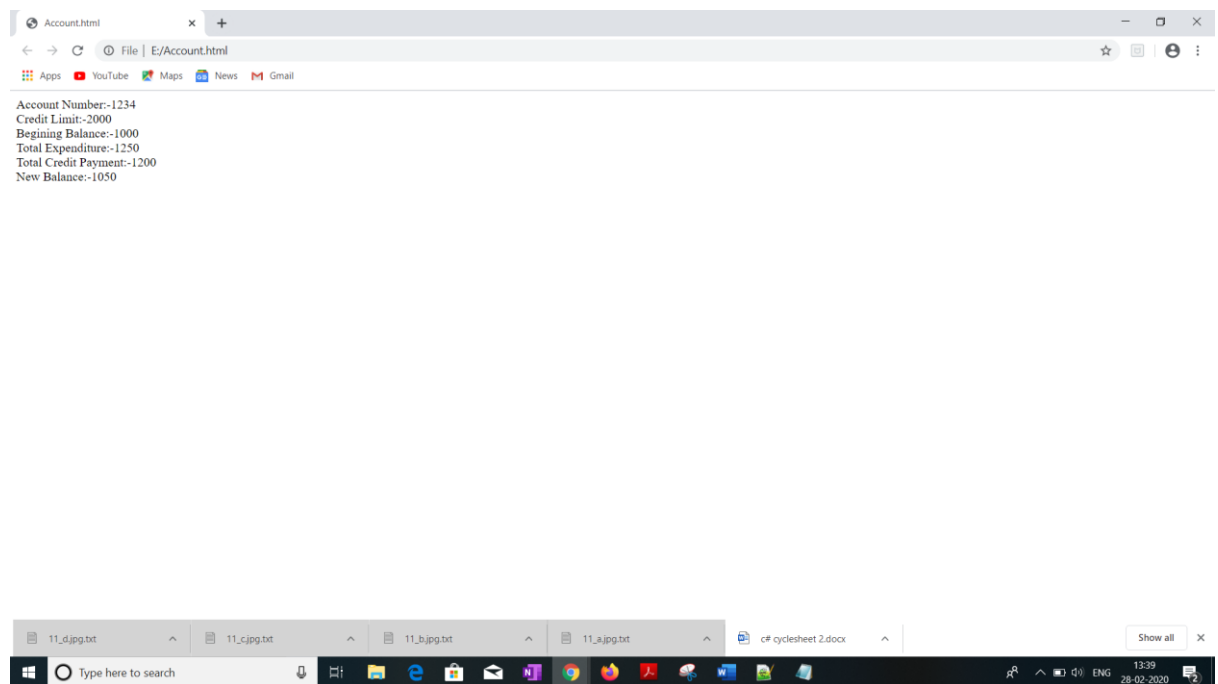
that displays the message “Credit limit exceeded.”

### Code:

```
<html>
<head>
</head>
<body>
Account Number:-<span id="acc"></span><br>
Credit Limit:-<span id="credit"></span><br>
Begining Balance:-<span id="bal"></span><br>
Total Expenditure:-<span id="exp"></span><br>
Total Credit Payment:-<span id="pay"></span><br>
New Balance:-<span id="new"></span><br>

<script>
var acc=prompt("Enter Account Number");
var Credit=parseInt(prompt("Enter allowed credit"));
var beg_bal=parseInt(prompt("Enter bal at the start of the month"));
var exp=parseInt(prompt("Enter expenditure"));
var cred_pay=parseInt(prompt("Enter credit payment"));
var new_bal= (beg_bal+exp)-cred_pay;
if(new_bal>credit){
document.getElementById('acc').innerHTML=acc;
document.getElementById('credit').innerHTML=Credit;
document.getElementById('bal').innerHTML=beg_bal;
document.getElementById('exp').innerHTML=exp;
document.getElementById('pay').innerHTML=cred_pay;
document.getElementById('new').innerHTML="Credit Limit Exceed";
}
else{
document.getElementById('acc').innerHTML=acc;
document.getElementById('credit').innerHTML=Credit;
document.getElementById('bal').innerHTML=beg_bal;
document.getElementById('exp').innerHTML=exp;
document.getElementById('pay').innerHTML=cred_pay;
document.getElementById('new').innerHTML=new_bal;
}
</script>
</body>
</html>
```

## Output:



- 14) 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:
- Mobile number should be exactly 10 digits
  - Register number should have alphabets and numbers only
  - Name should not exceed 30 characters and can be only alphabets.
  - Email validation
  - Provide a checkbox saying “Permanent address is same as temporary address”.
- If checked, the value of the permanent address should be added automatically from temp address and should be in disabled mode.

## Code:

```
<!Doctype html>
<html>
<head>
<script>
function validateForm() {
var name = document.forms["rkform"]["name"].value;
var reg_no = document.forms["rkform"]["reg_no"].value;
var email = document.forms["rkform"]["email"].value;
var mobnumber =
document.forms["rkform"]["mobile_number"].value;
var program = document.forms["rkform"]["program"].value;
```

```

var tempaddress = document.forms["rkform"]["tempaddress"].value;
var permaaddress =
document.forms["rkform"]["permaaddress"].value;
var namelength=name.length;
var moblength=mobnumber.length;
var letters = /^[0-9a-zA-Z]+$/;
if (name == "") {
document.getElementById("nameerror").style.display="inlineblock";
document.getElementById("nameerror").innerHTML="*Name
is Required.";
document.getElementById("name").focus();
return false;
}else if(namelength>30){
document.getElementById("nameerror").style.display="inlineblock";
document.getElementById("nameerror").innerHTML="*Name
should not exceed 30 characters and can be only alphabets Required.";
document.getElementById("name").focus();
return false;
}else if(reg_no==""){
document.getElementById("nameerror").style.display="none";
document.getElementById("regerror").style.display="inlineblock";
document.getElementById("regerror").innerHTML="*Reg No
is required";
document.getElementById("reg_no").focus();
return false;
}else if(!isNaN(reg_no) || /^[a-zA-Z]*$/ .test(reg_no)){
document.getElementById("nameerror").style.display="none";
document.getElementById("regerror").style.display="inlineblock";
document.getElementById("regerror").innerHTML="*Reg No
is Number and Character required";
document.getElementById("reg_no").focus();
return false;
}else if(email==""){
document.getElementById("nameerror").style.display="none";
document.getElementById("regerror").style.display="none";
document.getElementById("emailerror").style.display="inlineblock";
document.getElementById("emailerror").innerHTML="*Email
is required";
document.getElementById("email").focus();
return false;
}else if(!/^\\w+([\\.-]?\\w+)*@\\w+([\\.-]?\\w+)*\\.\\w{2,3}$/ .test(email)){
document.getElementById("nameerror").style.display="none";
document.getElementById("regerror").style.display="none";
document.getElementById("emailerror").style.display="inlineblock";
document.getElementById("emailerror").innerHTML="*Email
is Invalid format";
document.getElementById("email").focus();
return false;
}else if(mobnumber==""){

```



```

document.getElementById("nameerror").style.display="none";
document.getElementById("regerror").style.display="none";
document.getElementById("emailerror").style.display="none";
document.getElementById("moberror").style.display="inlineblock";
document.getElementById("moberror").innerHTML="*Mobile
Number is required";
document.getElementById("mobile_number").focus();
document.getElementById("mobile_number").focus();
return false;
}else if(!/^d{10}$/.test(mobnumber)){
document.getElementById("nameerror").style.display="none";
document.getElementById("regerror").style.display="none";
document.getElementById("emailerror").style.display="none";
document.getElementById("moberror").style.display="inlineblock";
document.getElementById("moberror").innerHTML="*Only
10digit Mobile Number required";
document.getElementById("mobile_number").focus();
document.getElementById("mobile_number").focus();
return false;
}else if(tempaddress==""){
document.getElementById("nameerror").style.display="none";
document.getElementById("regerror").style.display="none";
document.getElementById("emailerror").style.display="none";
document.getElementById("moberror").style.display="none";
document.getElementById("tempaddresserror").style.display="inline-block";
document.getElementById("tempaddresserror").innerHTML="*Temporary Address
is required";
document.getElementById("tempaddress").focus();
return false;
}else if(permaaddress==""){
document.getElementById("nameerror").style.display="none";
document.getElementById("regerror").style.display="none";
document.getElementById("emailerror").style.display="none";
document.getElementById("moberror").style.display="none";
document.getElementById("tempaddresserror").style.display="none";
document.getElementById("permaaddresserror").style.display="inline-block";
document.getElementById("permaaddresserror").innerHTML="*Permanent Address
is required";
document.getElementById("permaaddress").focus();
return false;
}else {
}
}
function onChangePerma(){
var
check=document.getElementById("tempassameperma").checked;
if(check){
var tempaddress =
document.forms["rkform"]["tempaddress"].value;
if(tempaddress==""){

```

```

document.getElementById("tempaddresserror").style.display="inline-block";
document.getElementById("tempaddresserror").innerHTML="*Please Enter
Temporary Address";
document.getElementById("tempaddress").focus();
return false;
}else{
document.getElementById("permaaddress").value=tempaddress;
document.getElementById("permaaddress").setAttribute("disabled", "disabled");
}
}else{
document.getElementById("permaaddress").value="";
document.getElementById("permaaddress").removeAttribute("disabled");
}
}
</script>
</head>
<body>
<form name="rkform" autocomplete="off" onsubmit="return
validateForm()">
<fieldset>
<legend>Student Registration</legend>
<table>
<tr>
<td>
<label>Name: </label>
</td>
<td>
<input type="text" name="name"
id="name"> <span id="nameerror" style="color:red;display:none"></span>
</td>
</tr>
<tr>
<td>
<label>Reg No: </label>
</td>
<td>
<input type="text"
name="reg_no" id="reg_no"> <span id="regerror"
style="color:red;display:none"></span>
</td>
</tr>
<tr>
<td>
<label>Email: </label>
</td>
<td>
<input type="text" name="email"
id="email"> <span id="emailerror" style="color:red;display:none"></span>
</td>
</tr>

```

```
<tr>
<td>
<label>Mobile Number: </label>
</td>
<td>
<input type="text"
name="mobile_number" id="mobile_number"> <span id="moberror"
style="color:red;display:none"></span>
</td>
</tr>
<tr>
<td>
<label>Program: </label>
</td>
<td>
<select name="program"
id="program">
<option value="bca"
selected>BCA</option>
<option
value="b.tech">B.TECH</option>
<option
value="mca">MCA</option>
<option
value="m.tech">M.TECH</option>
</select>
<span id="programerror"
style="color:red;display:none"></span>
</td>
</tr>
<tr>
<td>
<label>DOB: </label>
</td>
<td>
<input type="date" required>
</td>
</tr>
<tr>
<td>
<label>Temporary Address:
</label>
</td>
<td>
<input type="text"
name="tempaddress" id="tempaddress">
<span id="tempaddresserror"
style="color:red;display:none"></span>
</td>
</tr>
```

```

<tr>
<td colspan="2">
<input type="checkbox"
name="tempassameperma" id="tempassameperma" onchange="onChangePerma()">
<label>Permanent address is
same as temporary address </label>
</td>
</tr>
<tr>
<td>
<label>Permanent Address:
</label>
</td>
<td>
<input type="text"
name="permaaddress" id="permaaddress">
<span id="permaaddresserror"
style="color:red;display:none"></span>
</td>
</tr>
<tr>
<td>
<input type="submit"
value="Submit">
</td>
</tr>
</table>
</fieldset>
</form>
</body>
</html>

```

## Output:

Student Registration

Name: Surendra Reddy

Reg No: 19MCA0175

Email: surendraredyp@gmail.co

Mobile Number: 9494091234

Program: MCA

DOB: 06-10-1995

Temporary Address: Vellore

☒ Permanent address is same as temporary address

Permanent Address: Vellore

Submit

- 15) Create a script that uses regular expressions to validate credit card numbers. Major credit card numbers must be in the following formats:
- American Express—Numbers start with 34 or 37 and consist of 15 digits.
  - Diners Club—Numbers begin with 300 through 305, or 36 and 38 and consists
  - of 14 digits
  - Discover—Numbers begin with 6011 or 65 and consist of 16 digits.
  - JCB—Numbers beginning with 2131 or 1800 consist of 15 digits, while
  - numbers beginning with 35 consist of 16 digits.
- a. MasterCard—Numbers start with the numbers 51 through 55 and consist of 16 digits.
- b. Visa—Numbers start with a 4; new cards consist of 16 digits and old cards consist of 13 digits.

**Code:**

```
<!Doctype html>
<html>
<head>
<script>
function validateForm() {
var card = document.getElementById("card").value;
var cardnumber = document.forms["rkform"]["cardnumber"].value;
if (cardnumber == "") {
document.getElementById("carderror").style.display="inlineblock";
document.getElementById("carderror").innerHTML="*Card
Number is required";
document.getElementById("cardnumber").focus();
return false;
}else if(isNaN(cardnumber)){
document.getElementById("carderror").style.display="inlineblock";
document.getElementById("carderror").innerHTML="*Card
Number is only number required";
document.getElementById("cardnumber").focus();
return false;
}else{
if(card=="ae"){
if(!cardnumber.startsWith("34") &&
!cardnumber.startsWith("37")){
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*American Express Card
Number is Invalid";
document.getElementById("cardnumber").focus();
return false;
}else if(cardnumber.length!=15){
document.getElementById("carderror").style.display="inline-block";
```

```

document.getElementById("carderror").innerHTML="*American Express Card
Number is Length 15 Required";
document.getElementById("cardnumber").focus();
return false;
}else{
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*American Express Card is
valid";
return true;
}
}else if(card=="dc"){
if(!cardnumber.startsWith("300") &&
!cardnumber.startsWith("301") && !cardnumber.startsWith("302") &&
!cardnumber.startsWith("303") && !cardnumber.startsWith("304") &&
!cardnumber.startsWith("305")){
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*Diners Club Card Number is
Invalid";
document.getElementById("cardnumber").focus();
return false;
}else if(!cardnumber.includes("36") ||
!cardnumber.includes("38")){
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*Diners Club Card Number is
36 and 38 Required";
document.getElementById("cardnumber").focus();
return false;
}else if(cardnumber.length!=14){
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*Diners Club Card Number is
Length 15 Required";
document.getElementById("cardnumber").focus();
return false;
}else{
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*Diners Club Card is valid";
return true;
}
}else if(card=="d"){
if(!cardnumber.startsWith("6011") &&
!cardnumber.startsWith("65")){
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*Discover Card Number is
Invalid";
document.getElementById("cardnumber").focus();
return false;
}else if(cardnumber.length!=16){
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*Discover Card Number is
Length 15 Required";

```

```

document.getElementById("cardnumber").focus();
return false;
}else{
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*Discover Club Card is valid";
return true;
}
}else if(card=="j"){
if(cardnumber.startsWith("2131") ||
cardnumber.startsWith("1800")){
if(cardnumber.length!=15){
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*JCB Card Number is Length
15 Required";
document.getElementById("cardnumber").focus();
return false;
}else{
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*JCB Club Card is valid";
return true;
}
}else if(cardnumber.startsWith("35")){
if(cardnumber.length!=16){
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*JCB Card Number is Length
16 Required";
document.getElementById("cardnumber").focus();
return false;
}else{
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*JCB Club Card is valid";
return true;
}
}else{
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*JCB Card Number is
Invalid";
document.getElementById("cardnumber").focus();
return false;
}
}else if(card=="mc"){
if(!cardnumber.startsWith("51") &&
!cardnumber.startsWith("52") && !cardnumber.startsWith("53") &&
!cardnumber.startsWith("54") && !cardnumber.startsWith("55")){
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*MasterCard Number is
Invalid";
document.getElementById("cardnumber").focus();
return false;
}else if(cardnumber.length!=16){

```

```

document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*MasterCard Number is
Length 15 Required";
document.getElementById("cardnumber").focus();
return false;
}else{
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*MasterCard is valid";
return true;
}
}else if(card=="v"){
if(!cardnumber.startsWith("4")){
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*Visa Card Number is
Invalid";
document.getElementById("cardnumber").focus();
return false;
}else if(cardnumber.length!=16 ||
cardnumber.length==13 ){
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*Visa New Card is 16 and Old
card is 13 Length Required";
document.getElementById("cardnumber").focus();
return false;
}else{
document.getElementById("carderror").style.display="inline-block";
document.getElementById("carderror").innerHTML="*Visa Card is valid";
return true;
}
}else{
return false;
}
}
}
}
</script>
</head>
<body>
<form name="rkform" autocomplete="off" onsubmit="return
validateForm()">
<fieldset>
<legend>Payment Details</legend>
<table>
<tr>
<td>
<label>Credit Card: </label>
</td>
<td>
<select name="card" id="card">
<option
value="ae">American Express</option>

```



```
<option
value="dc">Diners Club</option>
<option
value="d">Discover</option>
<option
value="j">JCB</option>
<option
value="mc">MasterCard</option>
<option
value="v">Visa</option>
</select>
<span id="programerror"
style="color:red;display:none"></span>
</td>
</tr>
<tr>
<td>
<label>Card Number: </label>
</td>
<td>
<input type="text"
name="cardnumber" id="cardnumber"> <span id="cardnumbererror"
style="color:red;display:none"></span>
</td>
</tr>
<tr>
<td colspan="2">
<input type="submit"
value="Submit">
</td>
</tr>
<tr>
<td colspan="2">
<span id="carderror"
style="color:red;display:none"></span>
</td>
</tr>
</table>
</fieldset>
</form>
</body>
</html>
```

## Output:

