MASTER OF COMPUTER APPLICATIONS

PRACTICAL RECORD WORK ON 20MCA133 WEB PROGRAMMING LAB

Submitted
Ву
(Reg No:)



DEPARTMENT OF COMPUTER APPLICATIONS
COLLEGE OF ENGINEERING VADAKARA
(CAPE – GOVT.OF KERALA)

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DEPARTMENT OF COMPUTER APPLICATIONS COLLEGE OF ENGINEERING VADAKARA (CAPE – GOVT.OF KERALA)



CERTIFICATE

Certified that this is a bonafide record of the practical work on the course 20MCA133 WEB PROGRAMMING LAB done by Mr/Mrs					
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DATE:					
EXAMINERS:					

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<u>CO1</u>

Experiment No 1:

Model a simple HTML file to demonstrate the use of different tags. (K3)

```
<!DOCTYPE html>
<html lang="en">
<head>
 <style>
  table,td,th{
    border: 2px solid black;
  }
 </style>
 <title>Home</title>
</head>
<body style="background-color: cornsilk;">
 <img src="kk.jpg" width="200px" height="200px" alt="SampleImage">
 Nameage
  Sagar35
  Suman30
  Sushant25
 <a href="co1-2.html">Check</a>
</body>
</html>
```



Experiment No 2:

Create a HTML file to link to different HTML page which contains images, tables, and also link within a page. (K6)

Source Code:

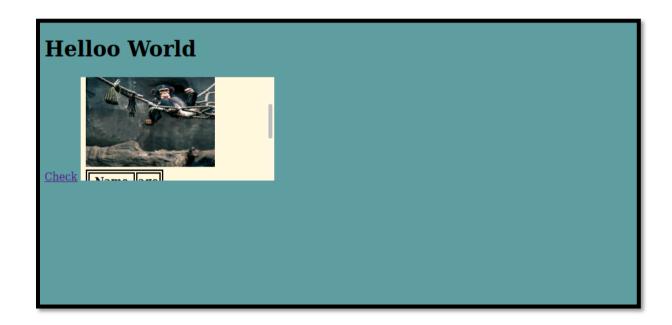
<!DOCTYPE html>

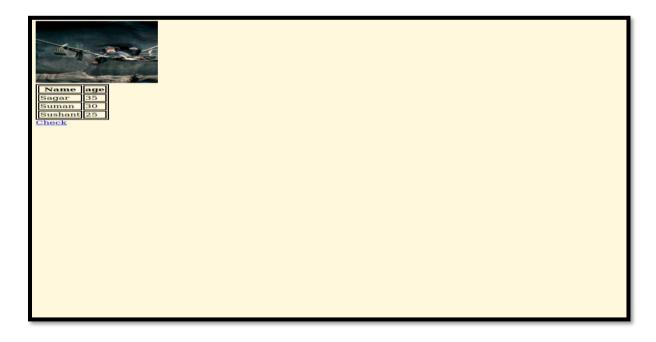
```
PART 1:
```

```
<html lang="en">
<head>
 <title>home2</title>
</head>
<body style="background-color: cadetblue;">
 <h1>
   Hello World
 </h1>
 <a href="co1-1.html">Check</a>
 <iframe src="co1-1.html" frameborder="0"></iframe>
</body>
</html>
PART 2:
<!DOCTYPE html>
<html lang="en">
<head>
 <style>
   table,td,th{
     border: 2px solid black;
   }
 </style>
 <title>Home</title>
</head>
<body style="background-color: cornsilk;">
 <img src="kk.jpg" width="200px" height="200px" alt="sampleImage">
 Nameage
   Sagar35
   Suman30
```

```
Sushant25

<a href="co1-2.html">Check</a>
</body>
</html>
```





Experiment No 3:

Create a HTML page with different types of frames such as floating frame, navigation frame & mixed frame. (K6)

Source Code:

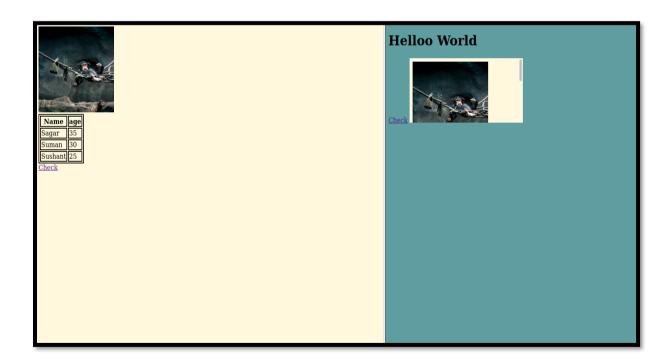
```
PART 1
```

</html>

```
<html>
<head>
 <title>Document</title>
</head>
<frameset cols="50%,50%">
 <frame src="co1-1.html">
 <frame src="co1-2.html">
</frameset></html>
PART 2:
<!DOCTYPE html>
<html lang="en">
<head>
 <style>
   table,td,th{
     border: 2px solid black;
   }
 </style>
 <title>Home</title>
</head>
<body style="background-color: cornsilk;">
 <img src="kk.jpg" width="200px" height="200px" alt="sampleImage">
 Nameage
   Sagar35
   Suman30
   Sushant25
 <a href="co1-2.html">Check</a>
</body>
```

PART 3:

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>home2</title>
</head>
<body style="background-color: cadetblue;">
<h1>
        Helloo World
</h1>
        <a href="co1-1.html">Check</a>
<iframe src="co1-1.html" frameborder="0"></iframe>
</body>
</html>
```



Experiment No 4:

Analyse CSS by applying the different styles using inline, external & internal style sheets in a HTML file. (K4)

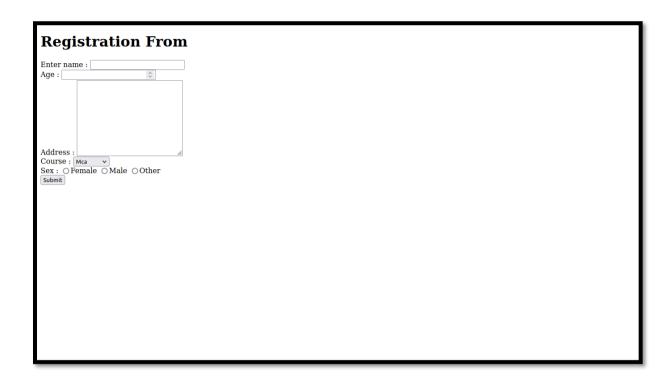
```
<!DOCTYPE html>
<html lang="en">
<head>
 <link rel="stylesheet" href="style.css">
 <style>
    .college{
      color: darkblue;
    }
 </style>
 <title>home4</title>
</head>
<body>
 <h1 style="color: crimson;">Master of computer Application</h1>
 <h2 class="college">College Of Engineering Vadakara</h2>
 <a href="co1-1.html" class="more">More</a>
</body>
</html>
Style:
.more{
 text-decoration: none;
 color: black;
 font-style: italic;
}
```

Master of computer Application	٦
College Of Engineering Vadakara	ı
More	ı
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	ı

Experiment No 5:

Demonstrate a registration form using HTML. (K3)

```
<!DOCTYPE html>
<html lang="en">
<head>
 <title>Registration</title>
</head>
<body>
 <h1>Registration From</h1>
 <form >
    Enter name : <input type="text" required><br>
    Age: <input type="number" required><br>
    Address: <textarea name="address" id="" cols="30" rows="10"></textarea><br>
    Course: <select>
      <option value="mca">Mca</option>
      <option value="btech">Btech</option>
      <option value="mtech">Mtech</option>
      <option value="diploma">Diploma</option>
    </select><br>
   Sex : <input type="radio" value="female" name="gen">Female <input type="radio"
value="male" name="gen">Male <input type="radio" value="Other" name="gen">Other
<br/>br>
    <input type="submit" value="Submit">
 </form>
</body>
</html>
```



CO2

Experiment No 6:

Create a HTML page to explain the use of various predefined functions in a string and math object in java script. (K6)

```
<!doctype html>
<html>
<body>
<center>
<h2><u><font color="red">STRING METHOD</u></h2>
</center>
<center>
<b>java scriptstring method<b>
<script>
var name="i am arundhathi m p";
document.write(name);
document.write("<br/>");
document.write("legth of string is:");
document.write(name.length);
document.write("<br/>");
document.write("index of first occurence of a in string is:");
document.write(name.indexOf("a"));
document.write("<br/>");
document.write("index of last occurence of a in string is:");
document.write(name.lastIndexOf("a"));
document.write("<br/>");
document.write("index of am in string:");
document.write(name.search("am"));
document.write("<br/>");
document.write("index 0 to 3 print using slice:");
document.write(name.slice(0,4));
document.write("<br/>");
document.write("to get substring of string using substring:");
document.write(name.substring(0,8));
document.write("<br/>");
```

```
document.write("to get substring of string using substr:");
document.write(name.substr(0,3));
document.write("<br/>");
document.write("string to upper case:");
document.write(name.toUpperCase());
document.write("<br/>");
document.write("replace arundhathi to aswathiin string:");
document.write(name.replace("arundhathi m p", "aswathi"));
document.write("<br/>");
document.write("use trim:");
document.write(name.trim());
document.write("<br/>");
document.write("new string that have chacter 5 on string:");
document.write(name.charAt(5));
document.write("<br/>");
document.write("print numeric ASSI value of charecter 5 on string:");
document.write(name.charCodeAt(5));
document.write("<br/>");
</script>
<center><h2><u>MATH OBJECT</u></h2></center>
<b>math object is a build in object, contains basic mathematical functions and
constents<b>
<script type="text/javascript">
document.write("Value of PI in radian: ");
document.write(Math.PI);
document.write("<br/>");
document.write("PI in degree: ");
document.write(Math.PI*180/Math.PI);
document.write("<br/>");
document.write("Value of E: ");
document.write(Math.E);
document.write("<br/>");
document.write("sign of -3, print 1 if it is positive print -1 if it is negetive or print 0 if it is
zero: ");
document.write(Math.sign(-3));
document.write("<br/>");
document.write("squereroot of a number 8 is: ");
```

```
document.write(Math.sqrt(8));
document.write("<br/>");
document.write("the 2 nd power of 8 is: ");
document.write(Math.pow(8,2));
document.write("<br/>");
document.write("round the value 6.7 is: ");
document.write(Math.round(6.7));
document.write("<br/>");
document.write("round the value 4.6 is: ");
document.write(Math.round(4.6));
document.write("<br/>");
document.write("ceil the value 4.4 is: ");
document.write(Math.ceil(4.4));
document.write("<br/>");
document.write("ceil the value 4.6 is: ");
document.write(Math.ceil(4.6));
document.write("<br/>");
document.write("floor value of the value 4.4 is: ");
document.write(Math.floor(4.4));
document.write("<br/>");
</script>
</center>
</body>
</html>
```

STRING METHOD

java script string method

java script string method
i am arundhathi mp
legth of string is:19
index of first occurrence of a in string is:2
index of first occurrence of a in string is:11
index of am in string;2
index of last occurrence of a in string is:11
index of am in string;2
ing index of to 3 print using silicoi am
to get substring of string using substring;1 am arun
to get substring of string using substring;1 as string to upper cased: AM ARUNDHATHI M Preplace arundhathi in sownthin string;1 am anounthin
use trim:1 am arundhathi m
pew string that have chacter 5 on string;2
print numeric ASSI value of charecter 5 on string;37

MATH OBJECT

math object is a build in object, contains basic mathematical functions and constents

math objects a build in object, contains basic mathematical functions and constents

Value of P1 in raidian: 3.14152(65558979)

P1 in degree: 180

Value of E2. 2.718231828499045

sign of -3, print 1 if it is positive print - if it is negetive or print 0 if it is zero: -1
squeerroot of a number 8 is; 1.8283477147461903

the 2nd power of 8 is; 64

round the value 4.6 is; 5

ceil the value 4.4 is; 5

ceil the value 4.4 is; 5

floor value of the value 4.4 is; 4

Experiment No 7:

Generate the calendar using JavaScript code by getting the year from the user. (K6)

```
Demo.html
```

```
<!DOCTYPE html>
<html>
<head>
<title>Hello</title>
k href="https://fonts.googleapis.com/css?family=Roboto+Condensed"
rel="stylesheet">
<link rel="stylesheet" href="css/demo.css"/>
<link rel="stylesheet" href="css/theme1.css"/>
</head>
<body>
<div id="caleandar">
</div>
<script type="text/javascript" src="js/caleandar.js"></script>
<script type="text/javascript" src="js/demo.js"></script>
</body>
</html>
Demo.css
body{
font-family: Calibri, sans-serif;
font-family: 'Roboto Condensed', sans-serif;
color: #333;
}
Theme1.css
.cld-main{
width: 330px;
.cld-main a{
color: #333;
font-weight: bold;
}
```

```
.cld-datetime{
position: relative;
width: 66%;
min-width: 100px;
max-width: 300px;
margin: auto;
overflow: hidden;
}
.cld-datetime .today{
position: relative;
float: left;
width: calc(100% - 40px);
margin: auto;
text-align: center;
}
.cld-nav{
position: relative;
width: 20px;
height: 20px;
margin-top: 2px;
}
.cld-nav:hover{
cursor: pointer;
. cld\text{-}nav: hoversvg\{
fill: #666;
}
.cld-rwd{
float: left;
}
.cld-fwd{
float:right;
}
.cld-nav svg:hover{
.cld-labels, .cld-days{
padding-left: 0;
```

```
}
.cld-label, .cld-day{
display: inline-block;
width: 14.28%;
text-align: center;
.cld-day.today .cld-number{
display: inline-block;
height: 20px;
width: 20px;
border-radius: 50px;
background: #666;
color: #fff;
}
.cld-day.disableDay{
opacity: 0.5;
.cld-day.nextMonth, .cld-day.prevMonth{
opacity: 0.33;
}
.cld-number{
position: relative;
margin: 5px;
padding: 5px;
.cld-title{
position: absolute
z-index:5;
display: none;
top: 30px;
left:0;
padding: 5px 10px;
background: #fff;
white-space: nowrap;
border: 1px solid #ccc;
border-radius: 5px;
font-size: 12px;
```

```
}
.cld-number:hover .cld-title{
display: block;
}
.cld-title::before{
content: ";
position: absolute;
top: -7.5px; left: 7.5px;
width: 0;
height: 0;
border-left: 7.5px solid transparent;
border-right: 7.5px solid transparent;
border-bottom: 7.5px solid #ccc;
}
.cld-number.eventday{
display: inline-block;
height: 20px;
width: 20px;
border-radius: 50px;
border: 1px solid #999;
}
.cld-number.eventday:hover{
cursor: pointer;
background: #eee;
.today .cld-number.eventday:hover{
background: #888;
}
Theme2.css
n svg{
fill: #0080FF;
}
.cld-datetime{
position: relative;
width: 66%;
min-width: 100px;
```

```
max-width: 300px;
margin: auto;
overflow: hidden;
}
.cld-datetime .today{
position: relative;
float: left;
width: calc(100% - 40px);
margin: auto;
text-align: center;
}
.cld-nav{
position: relative;
width: 20px;
height: 20px;
margin-top: 2px;
.cld-nav:hover{
cursor: pointer;
}
.cld-nav:hoversvg{
fill: #005EFF;
}
.cld-rwd{
float: left;
}
.cld-fwd{
float:right;
.cld-nav svg:hover{
.cld-labels, .cld-days{
padding-left: 0;
}
.cld-label, .cld-day{
box-sizing: border-box;
display: inline-block;
```

```
width: 14.28%;
text-align: center;
}
.cld-day{
border: 1px solid #eee;
.cld-day.today .cld-number{
background: #0080FF;
color: #fff;
}
.cld-day.disableDay{
opacity: 0.5;
}
.cld-day.nextMonth, .cld-day.prevMonth{
opacity: 0.33;
}
.cld-number{
position: relative;
margin: 0;
padding: 10px;
}
.cld-title{
position: absolute;
z-index: 5;
display: none;
top: 35px;
left: 0;
padding: 5px 10px;
background: #fff;
white-space: nowrap;
border: 1px solid #ccc;
border-radius: 5px;
font-size: 12px;
}
.cld-number:hover .cld-title{
display: block;
}
```

```
.cld-title::before{
content: ";
position: absolute;
top: -7.5px; left: 10px;
width: 0;
height: 0;
border-left: 7.5px solid transparent;
border-right: 7.5px solid transparent;
46
border-bottom: 7.5px solid #ccc;
.cld-number.eventday{
font-weight: bold;
color: #0080FF;
}
.cld-number.eventday:hover{
cursor: pointer;
background: #eee;
.today .cld-number.eventday:hover{
background: #005EFF;
}
Theme3.css
.cld-main{
width: 660px;
}
.cld-main a{
color: #7B00FF;
.cld-datetime{
position: relative;
width: 66%;
min-width: 100px;
max-width: 300px;
margin: auto;
overflow: hidden;
```

```
}
.cld-datetime .today{
position: relative;
float: left;
width: calc(100% - 40px);
margin: auto;
text-align: center;
}
.cld-nav{
position: relative;
width: 20px;
height: 20px;
margin-top: 2px;
}
.cld-nav:hover{
cursor: pointer;
. cld\text{-}nav: hoversvg\{
fill: #666;
}
.cld-rwd{
float: left;
}
.cld-fwd{
float:right;
}
.cld-nav svg:hover{
}
.cld-labels, .cld-days{
padding-left: 0;
.cld-label, .cld-day{
box-sizing: border-box;
display: inline-block;
width: 14.28%;
text-align: center;
}
```

```
.cld-day{
display: block;
float: left;
position: relative;
margin: 0;
padding: 5px;
height: 66px;
border: 1px solid #ddd;
overflow-y: auto;
}
.cld-day.clickable:hover{
cursor: pointer;
}
.cld-day.today{
border: 1px solid #7B00FF;
}
.cld-day.disableDay{
opacity: 0.5;
}
.cld-day.nextMonth, .cld-day.prevMonth{
opacity: 0.33;
}
.cld-number{
margin: 0;
text-align: left;
}
.cld-title{
font-size: 10px;
display: block;
margin: 0;
font-weight: normal;
}
.cld-day:hover{
background: #eee;
}
.cld-number.eventday{
font-weight: bold;
```

```
}
.cld-number.eventday:hover{
background: #eee;
}
.today .cld-number.eventday:hover{
Calendar.js
var Calendar = function(model, options, date){
// Default Values
this.Options = {
Color: ",
LinkColor: ",
NavShow: true,
NavVertical: false,
NavLocation: ",
DateTimeShow: true,
DateTimeFormat: 'mmm, yyyy',
DatetimeLocation: ",
EventClick: ",
EventTargetWholeDay: false,
DisabledDays: [],
ModelChange: model
};
// Overwriting default values
for(var key in options){
this.Options[key] = typeof
options[key]=='string'?options[key].toLowerCase():options[key];
model?this.Model=model:this.Model={};
this.Today = new Date();
this.Selected = this.Today
this.Today.Month = this.Today.getMonth();
this.Today.Year = this.Today.getFullYear();
if(date){this.Selected = date}
this.Selected.Month = this.Selected.getMonth();
this.Selected.Year = this.Selected.getFullYear();
```

```
this. Selected. Days = new Date(this. Selected. Year, (this. Selected. Month + 1),
0).getDate();
this.Selected.FirstDay = new Date(this.Selected.Year, (this.Selected.Month),
1).getDay();
this.Selected.LastDay = new Date(this.Selected.Year, (this.Selected.Month + 1),
0).getDay();
this.Prev = new Date(this.Selected.Year, (this.Selected.Month - 1), 1);
if(this.Selected.Month==0){this.Prev = new Date(this.Selected.Year-1, 11, 1);}
this.Prev.Days = new Date(this.Prev.getFullYear(), (this.Prev.getMonth() + 1),
0).getDate();
};
function createCalendar(calendar, element, adjuster){
if(typeof adjuster !== 'undefined'){
var newDate = new Date(calendar.Selected.Year, calendar.Selected.Month +
adjuster, 1);
calendar = new Calendar(calendar.Model, calendar.Options, newDate);
element.innerHTML = ";
}else{
for(var key in calendar.Options){
typeof calendar. Options [key] != 'function' && typeof
calendar.Options[key] != 'object' && calendar.Options[key]?element.className
+= " " + key + "-" + calendar.Options[key]:0;
}
var months = ["January", "February", "March", "April", "May", "June", "July",
"August", "September", "October", "November", "December"];
function AddSidebar(){
var sidebar = document.createElement('div');
sidebar.className += 'cld-sidebar';
54
var monthList = document.createElement('ul');
monthList.className += 'cld-monthList';
for(var i = 0; i < months.length - 3; i++){
var x = document.createElement('li');
x.className += 'cld-month';
var n = i - (4 - calendar.Selected.Month);
// Account for overflowing month values
```

```
if(n<0)\{n+=12;\}
else if(n>11)\{n=12;\}
// Add Appropriate Class
if(i==0){
x.className += ' cld-rwd cld-nav';
x.addEventListener('click', function(){
typeof calendar.Options.ModelChange == 'function'?calendar.Model
= calendar.Options.ModelChange():calendar.Model =
calendar.Options.ModelChange;
createCalendar(calendar, element, -1);});
x.innerHTML += '<svg height="15" width="15" viewBox="0 0 100 75"
fill="rgba(255,255,255,0.5)"><polyline points="0,75 100,75"
50,0"></polyline></svg>';
}
else if(i==months.length - 4){
x.className += ' cld-fwd cld-nav';
x.addEventListener('click', function(){
typeof calendar.Options.ModelChange == 'function'?calendar.Model
= calendar.Options.ModelChange():calendar.Model =
calendar.Options.ModelChange;
createCalendar(calendar, element, 1);} );
x.innerHTML += '<svg height="15" width="15" viewBox="0 0 100 75"
fill="rgba(255,255,255,0.5)"><polyline points="0,0 100,0"
50,75"></polyline></svg>';
}
else{
if(i < 4) \{x.className += 'cld-pre'; \}
else if(i > 4){x.className += 'cld-post';}
else{x.className += 'cld-curr';}
//prevent losing var adj value (for whatever reason that is happening)
(function () {
var adj = (i-4);
//x.addEventListener('click', function(){createCalendar(calendar,
element, adj);console.log('kk', adj);});
x.addEventListener('click', function(){
typeof calendar.Options.ModelChange ==
'function'?calendar.Model = calendar.Options.ModelChange():calendar.Model =
```

```
calendar.Options.ModelChange;
createCalendar(calendar, element, adj);} );
x.setAttribute('style', 'opacity:' + (1 - Math.abs(adj)/4));
x.innerHTML += months[n].substr(0,3);
}()); // immediate invocation
if(n==0){
var y = document.createElement('li');
y.className += 'cld-year';
if(i < 5)
y.innerHTML += calendar.Selected.Year;
y.innerHTML += calendar.Selected.Year + 1;
monthList.appendChild(y);
monthList.appendChild(x);
sidebar.appendChild(monthList);
if(calendar.Options.NavLocation){
document.getElementById(calendar.Options.NavLocation).innerHTML = \\
document.getElementById(calendar.Options.NavLocation).appendChild(sidebar);
else{element.appendChild(sidebar);}
}
var mainSection = document.createElement('div');
mainSection.className += "cld-main";
function AddDateTime(){
var datetime = document.createElement('div');
datetime.className += "cld-datetime";
if(calendar.Options.NavShow && !calendar.Options.NavVertical){
var rwd = document.createElement('div');
rwd.className += " cld-rwd cld-nav";
rwd.addEventListener('click', function(){createCalendar(calendar,
element, -1);});
rwd.innerHTML = '<svg height="15" width="15" viewBox="0 0 75 100"
```

```
fill="rgba(0,0,0,0.5)"><polyline points="0,50 75,0 75,100"></polyline></svg>';
datetime.appendChild(rwd);
}
var today = document.createElement('div');
today.className += 'today';
today.innerHTML = months[calendar.Selected.Month] + ", " +
calendar.Selected.Year;
datetime.appendChild(today);
if(calendar.Options.NavShow && !calendar.Options.NavVertical){
var fwd = document.createElement('div');
fwd.className += " cld-fwd cld-nav";
fwd.addEventListener('click', function(){createCalendar(calendar,
element, 1); } );
fwd.innerHTML = '<svg height="15" width="15" viewBox="0 0 75 100"
fill="rgba(0,0,0,0.5)"><polyline points="0,075,500,100"></polyline></svg>';
datetime.appendChild(fwd);
if(calendar.Options.DatetimeLocation){
document.getElementById(calendar.Options.DatetimeLocation).innerHTML = "";
document.getElementById(calendar.Options.DatetimeLocation).appendChild(dat
etime);
}
else{mainSection.appendChild(datetime);}
function AddLabels(){
var labels = document.createElement('ul');
labels.className = 'cld-labels';
var labelsList = ["Sun", "Mon", "Tue", "Wed", "Thu", "Fri", "Sat"];
for(var i = 0; i < labelsList.length; i++){
var label = document.createElement('li');
label.className += "cld-label";
label.innerHTML = labelsList[i];
labels.appendChild(label);
}
mainSection.appendChild(labels);
function AddDays(){
```

```
// Create Number Element
function DayNumber(n){
var number = document.createElement('p');
number.className += "cld-number";
number.innerHTML += n;
return number;
}
var days = document.createElement('ul');
days.className += "cld-days";
// Previous Month's Days
for(var i = 0; i < (calendar.Selected.FirstDay); i++){
var day = document.createElement('li');
day.className += "cld-day prevMonth";
//Disabled Days
var d = i\%7;
for(var q = 0; q < calendar.Options.DisabledDays.length; <math>q++){
if(d==calendar.Options.DisabledDays[q]){
day.className += " disableDay";
}
}
var number = DayNumber((calendar.Prev.Days -
calendar.Selected.FirstDay) + (i+1);
day.appendChild(number);
days.appendChild(day);
}
// Current Month's Days
for(var i = 0; i < calendar.Selected.Days; <math>i++){
var day = document.createElement('li');
day.className += "cld-day currMonth";
//Disabled Days
var d = (i + calendar.Selected.FirstDay)%7;
for(var q = 0; q < calendar.Options.DisabledDays.length; <math>q++){
if(d==calendar.Options.DisabledDays[q]){
day.className += " disableDay";
}
var number = DayNumber(i+1);
```

```
// Check Date against Event Dates
for(var n = 0; n < \text{calendar.Model.length}; n++){
var evDate = calendar.Model[n].Date;
var toDate = new Date(calendar.Selected.Year,
calendar.Selected.Month, (i+1));
if(evDate.getTime() == toDate.getTime()){
number.className += " eventday";
var title = document.createElement('span');
title.className += "cld-title";
if(typeof calendar.Model[n].Link == 'function' ||
calendar.Options.EventClick){
var a = document.createElement('a');
a.setAttribute('href', '#');
a.innerHTML += calendar.Model[n].Title;
if(calendar.Options.EventClick){
var z = calendar.Model[n].Link;
if(typeof calendar.Model[n].Link != 'string'){
a.addEventListener('click',
calendar.Options.EventClick.bind.apply(calendar.Options.EventClick,
[null].concat(z));
if(calendar.Options.EventTargetWholeDay){
day.className += " clickable";
day.addEventListener('click',
calendar.Options.EventClick.bind.apply(calendar.Options.EventClick,
[null].concat(z));
}
}else{
a.addEventListener('click',
calendar.Options.EventClick.bind(null, z) );
if(calendar.Options.EventTargetWholeDay){
day.className += " clickable";
day.addEventListener('click',
calendar.Options.EventClick.bind(null, z) );
}
}
}else{
a.addEventListener('click', calendar.Model[n].Link);
```

```
if(calendar.Options.EventTargetWholeDay){
day.className += " clickable";
day.addEventListener('click', calendar.Model[n].Link);
}
}
title.appendChild(a);
}else{
title.innerHTML += '<a href="" + calendar.Model[n].Link + "">' +
calendar.Model[n].Title + '</a>';
}
number.appendChild(title);
}
day.appendChild(number);
// If Today..
if((i+1) == calendar.Today.getDate() && calendar.Selected.Month ==
calendar.Today.Month && calendar.Selected.Year == calendar.Today.Year){
day.className += " today";
}
days.appendChild(day);
}
// Next Month's Days
// Always same amount of days in calander
var extraDays = 13;
if(days.children.length>35){extraDays = 6;}
else if(days.children.length<29){extraDays = 20;}
for(var i = 0; i < (extraDays - calendar.Selected.LastDay); <math>i++){
var day = document.createElement('li');
day.className += "cld-day nextMonth";
//Disabled Days
var d = (i + calendar.Selected.LastDay + 1)\%7;
for(var q = 0; q < calendar.Options.DisabledDays.length; <math>q++){
if(d==calendar.Options.DisabledDays[q]){
day.className += " disableDay";
}
var number = DayNumber(i+1);
```

```
day.appendChild(number);
days.appendChild(day);
}
mainSection.appendChild(days);
if(calendar.Options.Color){
mainSection.innerHTML += '<style>.cld-main{color:' + calendar.Options.Color
+ ';}</style>';
}
if(calendar.Options.LinkColor){
mainSection.innerHTML += '<style>.cld-title a{color:' +
calendar.Options.LinkColor + ';}</style>';
}
element.appendChild(mainSection);
if(calendar.Options.NavShow && calendar.Options.NavVertical){
AddSidebar();
if(calendar.Options.DateTimeShow){
AddDateTime();
}
AddLabels();
AddDays();
function caleandar(el, data, settings){
var obj = new Calendar(data, settings);
createCalendar(obj, el);
}
calender.min.js
function createCalendar(e,t,a)
function n()
{var a=document.createElement("div");
a.className+="cld-sidebar";
var n=document.createElement("li");i.className+="cld-month");
var d=l-(4-e.Seent.createElement("ul");
n.className+="cld-monthList";for(var l=0;l<s.length-3;l++)
```

```
{var i=documlected.Month);
if(0>d?d+=12:d>11&&(d-=12),0==1)i.className+="cld-rwd"
cld-nav",i.addEventListener("click",function(){ "function"==typeof
e.Options.ModelChange?e.Model=e.Options.ModelChange():
e.Model=e.Options.ModelChange,createCalendar(e,t,-1)}),i.innerHTML+='<svg
height="15" width="15" viewBox="0 0 100 75"
fill="rgba(255,255,255,0.5)"><polyline points="0,75 100,75"
50,0"></polyline></svg>';else if(l==s.length-4)i.className+=" cld-fwd
cld-nav",i.addEventListener("click",function(){"function"==typeof
e.Options.ModelChange():e.Model=e.Options.ModelChange():e.Model=e.Options.
ModelChange,createCalendar(e,t,1)}),i.innerHTML+='<svg height="15"
width="15" viewBox="0 0 100 75" fill="rgba(255,255,255,0.5)"><polyline
points="0,0 100,0 50,75"></polyline></svg>';
else if(4>l?i.className+=" cld-pre":l>4?i.className+=" cld-post":i.className+="
cld-curr",function(){var
a=l-4;i.addEventListener("click",function(){ "function"==typeof
e.Options.ModelChange():e.Model=e.Options.ModelChange():e.Model=e.Options.
ModelChange,createCalendar(e,t,a)}),i.setAttribute("style","opacity:"+(1-Math.ab
s(a)/4),i.innerHTML+=s[d].substr(0,3)\{(),0==d\} var
o=document.createElement("li");o.className+="cld-year",5>1?o.innerHTML+=e.S
elected.Year:o.innerHTML+=e.Selected.Year+1,n.appendChild(o)}n.appendChild(i)
\{\}a.appendChild(n),e.Options.NavLocation?\(\)(document.getElementById(e.Options.
NavLocation).innerHTML="",document.getElementById(e.Options.NavLocation).a
ppendChild(a)):t.appendChild(a)}function l(){var
a=document.createElement("div");if(a.className+="cld-datetime",e.Options.Nav
Show&&!e.Options.NavVertical){var
n=document.createElement("div");n.className+=" cld-rwd
cld-nav",n.addEventListener("click",function(){createCalendar(e,t,-1)}),n.innerHT
ML='<svg height="15" width="15" viewBox="0 0 75 100"
fill="rgba(0,0,0,0.5)"><polyline points="0,50 75,0"
75,100"></polyline></svg>',a.appendChild(n)}var
l=document.createElement("div");if(l.className+="
today",l.innerHTML=s[e.Selected.Month]+",
"+e.Selected.Year,a.appendChild(1),e.Options.NavShow&&!e.Options.NavVertical)
{var i=document.createElement("div");i.className+=" cld-fwd
cld-nav",i.addEventListener("click",function(){createCalendar(e,t,1)}),i.innerHTML
='<svg height="15" width="15" viewBox="0 0 75 100"
```

```
fill="rgba(0,0,0,0.5)"><polyline points="0,0 75,50"
0,100"></polyline></svg>',a.appendChild(i)}e.Options.DatetimeLocation?(docum
ent.getElementById(e.Options.DatetimeLocation).innerHTML="",document.getEle
mentById(e.Options.DatetimeLocation).appendChild(a)):r.appendChild(a)}functio
n i(){var e=document.createElement("ul");e.className="cld-labels";for(var
t=["Sun","Mon","Tue","Wed","Thu","Fri","Sat"],a=0;a<t.length;a++){var
n=document.createElement("li");n.className+="cld-label",n.innerHTML=t[a],e.ap
pendChild(n)\r.appendChild(e)\function d()\function t(e)\function
t=document.createElement("p");return
t.className+="cld-number",t.innerHTML+=e,t}var
a=document.createElement("ul");a.className+="cld-days";for(var
n=0;n<e.Selected.FirstDay;n++){var
l=document.createElement("li");l.className+="cld-day prevMonth";for(var
i=n%7,d=0;d<e.Options.DisabledDays.length;d++)i==e.Options.DisabledDays[d]&
&(l.className+=" disableDay");var
o=t(e.Prev.Days-e.Selected.FirstDay+(n+1));l.appendChild(o),a.appendChild(l)}for(
var n=0;n<e.Selected.Days;n++){var
l=document.createElement("li");l.className+="cld-day currMonth";for(var
i=(n+e.Selected.FirstDay)%7,d=0;d<e.Options.DisabledDays.length;d++)i==e.Optio
ns.DisabledDays[d]&&(1.className+=" disableDay");for(var
o=t(n+1),c=0;c < e.Model.length;c++){var s=e.Model[c].Date,p=new
Date(e.Selected.Year,e.Selected.Month,n+1);if(s.getTime()==p.getTime()){o.classN
ame+=" eventday";var
h=document.createElement("span");if(h.className+="cld-title","function"==type
of e.Model[c].Link||e.Options.EventClick){var
v=document.createElement("a");if(v.setAttribute("href","#"),v.innerHTML+=e.Mo
del[c].Title,e.Options.EventClick){var m=e.Model[c].Link; "string"!=typeof
e.Model[c].Link?(v.addEventListener("click",e.Options.EventClick.bind.apply(e.Opt
ions.EventClick,[null].concat(m))),e.Options.EventTargetWholeDay&&(l.classNam
e+="
clickable",l.addEventListener("click",e.Options.EventClick.bind.apply(e.Options.Ev
entClick,[null].concat(m))))):(v.addEventListener("click",e.Options.EventClick.bind(
null,m)),e.Options.EventTargetWholeDay&&(l.className+="
clickable",l.addEventListener("click",e.Options.EventClick.bind(null,m))))}else
v.addEventListener("click",e.Model[c].Link),e.Options.EventTargetWholeDay&&(1.
className+="
clickable",l.addEventListener("click",e.Model[c].Link));h.appendChild(v)}else
```

```
h.innerHTML+='<a
href="'+e.Model[c].Link+"'>'+e.Model[c].Title+"</a>";o.appendChild(h)}}l.append
Child(o),n+1==e.Today.getDate()&&e.Selected.Month==e.Today.Month&&e.Selec
ted.Year==e.Today.Year&&(l.className+="today"),a.appendChild(l)}var
y=13;a.children.length>35?y=6:a.children.length<29&&(y=20);for(var
n=0;n< y-e. Selected. Last Day; n++) { var
l=document.createElement("li");l.className+="cld-day nextMonth";for(var
i=(n+e.Selected.LastDay+1)%7,d=0;d<e.Options.DisabledDays.length;d++)i==e.Opt
ions.DisabledDays[d]&&(l.className+=" disableDay");var
o=t(n+1);l.appendChild(o),a.appendChild(l)}r.appendChild(a)}if("undefined"!=type
of a){var o=new Date(e.Selected.Year,e.Selected.Month+a,1);e=new
Calendar(e.Model,e.Options,o),t.innerHTML=""}else for(var c in
e.Options)"function"!=typeof e.Options[c]&&"object"!=typeof
e.Options[c]&&e.Options[c]?t.className+=" "+c+"-"+e.Options[c]:0;var
s=["January","February","March","April","May","June","July","August","Septemb
er", "October", "November", "December"], r=document.createElement("div"); r.class
Name+="cld-main",e.Options.Color&&(r.innerHTML+="<style>.cld-main{color:"+e
.Options.Color+";}</style>"),e.Options.LinkColor&&(r.innerHTML+="<style>.cld-title
a{color:"+e.Options.LinkColor+";}</style>"),t.appendChild(r),e.Options.NavShow&
&e.Options.NavVertical&&n(),e.Options.DateTimeShow&&l(),i(),d()}function
caleandar(e,t,a){var n=new Calendar(t,a);createCalendar(n,e)}var
Calendar=function(e,t,a){this.Options={Color:"",LinkColor:"",NavShow:!0,NavVerti
cal:!1.NavLocation:"",DateTimeShow:!0,DateTimeFormat:"mmm,
yyyy", DatetimeLocation: "", EventClick: "", EventTargetWholeDay: !1, DisabledDays: []
,ModelChange:e};for(var n in t)this.Options[n]="string"==typeof
t[n]?t[n].toLowerCase():t[n];e?this.Model=e:this.Model={},this.Today=new
Date, this. Selected=this. Today, this. Today. Month=this. Today.getMonth(), this. Toda
y.Year=this.Today.getFullYear(),a&&(this.Selected=a),this.Selected.Month=this.Sel
ected.getMonth(),this.Selected.Year=this.Selected.getFullYear(),this.Selected.Day
s=new
Date(this.Selected.Year,this.Selected.Month+1,0).getDate(),this.Selected.FirstDay
=new
Date(this.Selected.Year,this.Selected.Month,1).getDay(),this.Selected.LastDay=ne
w Date(this.Selected.Year,this.Selected.Month+1,0).getDay(),this.Prev=new
Date(this.Selected.Year,this.Selected.Month-1,1),0==this.Selected.Month&&(this.
Prev=new Date(this.Selected.Year-1,11,1)),this.Prev.Days=new
Date(this.Prev.getFullYear(),this.Prev.getMonth()+1,0).getDate()};
```

demo.js

```
var events = [
{'Date': new Date(2016, 6, 7), 'Title': 'Doctor appointment at 3:25pm.'},
{'Date': new Date(2016, 6, 18), 'Title': 'New Garfield movie comes out!', 'Link': 'https://garfield.com'},
{'Date': new Date(2016, 6, 27), 'Title': '25 year anniversary', 'Link': 'https://www.google.com.au/#q=anniversary+gifts'},
];
var settings = {};
var element = document.getElementById('caleandar');
caleandar(element, events, settings);
```

```
      Image: Sum of the control of the c
```

Experiment No 8:

Create a HTML registration form and to validate the form using JavaScript code. (K6)

Source Code:

vali.html

```
<html>
<head>
<script type="text/javascript" src="validate.js"></script>
</head>
<body>
<form action="#" name="StudentRegistration" onsubmit="return(validate());">
<table cellpadding="2" width="20%" bgcolor="99FFFF" align="center"
cellspacing="2">
<center><fontsize=4><b>Student Registration Form</b></font></center>
Name
<input type=text name=textnames id="textname" size="30">
Father Name
<input type="text" name="fathername" id="fathername"
size="30">
Postal Address
<input type="text" name="paddress" id="paddress" size="30">
Personal Address
<input type="text" name="personaladdress"
id="personaladdress" size="30">
```

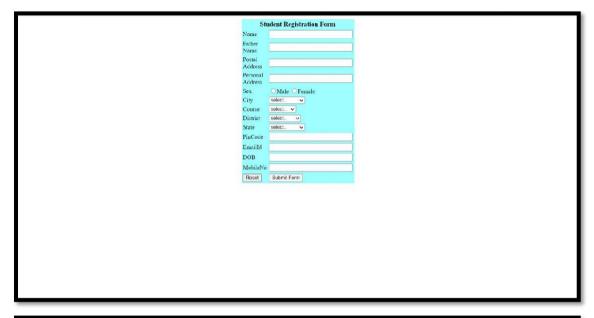
```
Sex
<input type="radio" name="sex" value="male" size="10">Male
City
<select name="City">
<option value="-1" selected>select..
<option value="New Delhi">NEW DELHI</option>
<option value="Mumbai">MUMBAI
<option value="Goa">GOA</option>
<option value="Patna">PATNA</option>
</select>
Course
<celect name="Course">
<option value="-1" selected>select..
<option value="B.Tech">B.TECH</option>
<option value="MCA">MCA</option>
<option value="MBA">MBA</option>
<option value="BCA">BCA</option>
</select>
District
<select name="District">
<option value="-1" selected>select..
<option value="Nalanda">NALANDA
<option value="UP">UP</option>
<option value="Goa">GOA</option>
<option value="Patna">PATNA</option>
</select>
State
<select Name="State">
```

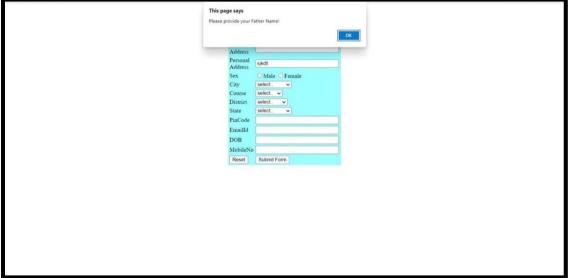
```
<option value="-1" selected>select..
<option value="New Delhi">NEW DELHI</option>
<option value="Mumbai">MUMBAI
<option value="Goa">GOA</option>
<option value="Bihar">BIHAR</option>
</select>
PinCode
<input type="text" name="pincode" id="pincode" size="30">
EmailId
="text" name="emailed" id="emailed" size="30">
 DOB 
<input type="text" name="dob" id="dob" size="30">
MobileNo
="mobileno" id="mobileno" size="30">
<input type="submit" value="Submit Form" />
</form>
</body>
</html>
validate.js
function validate()
if( document.StudentRegistration.textnames.value == "")
```

```
alert( "Please provide your Name!" );
document.StudentRegistration.textnames.focus();
return false;
}
if( document.StudentRegistration.fathername.value == "")
alert( "Please provide your Father Name!" );
document.StudentRegistration.fathername.focus();
return false;
}
if( document.StudentRegistration.paddress.value == "" )
alert( "Please provide your Postal Address!" );
document.StudentRegistration.paddress.focus();
return false;
}
if( document.StudentRegistration.personaladdress.value == "")
alert( "Please provide your Personal Address!" );
document.StudentRegistration.personaladdress.focus();
return false;
}
if ( ( StudentRegistration.sex[0].checked == false ) && (
StudentRegistration.sex[1].checked == false ) )
{
alert ( "Please choose your Gender: Male or Female" );
return false;
}
if( document.StudentRegistration.City.value == "-1" )
alert( "Please provide your City!" );
document.StudentRegistration.City.focus();
return false;
}
if( document.StudentRegistration.Course.value == "-1" )
alert( "Please provide your Course!" );
```

```
return false;
}
if( document.StudentRegistration.District.value == "-1")
alert( "Please provide your Select District!" );
return false;
}
if( document.StudentRegistration.State.value == "-1")
{
alert( "Please provide your Select State!" );
return false;
if( document.StudentRegistration.pincode.value == "" ||
isNaN( document.StudentRegistration.pincode.value) ||
document.StudentRegistration.pincode.value.length != 6)
{
alert( "Please provide a pincode in the format ######." );
document.StudentRegistration.pincode.focus();
return false;
}
var email = document.StudentRegistration.emailid.value;
atpos = email.indexOf("@");
dotpos = email.lastIndexOf(".");
if (email == "" \parallel atpos < 1 \parallel (dotpos - atpos < 2))
alert("Please enter correct email ID")
document.StudentRegistration.emailid.focus();
return false;
if( document.StudentRegistration.dob.value == "" )
alert( "Please provide your DOB!" );
document.StudentRegistration.dob.focus();
return false;
if( document.StudentRegistration.mobileno.value == "" ||
isNaN( document.StudentRegistration.mobileno.value) ||
```

```
document.StudentRegistration.mobileno.value.length != 10 )
{
    alert( "Please provide a Mobile No in the format 123." );
    document.StudentRegistration.mobileno.focus() ;
    return false;
}
return( true );
}
```





Experiment No 9:

Evaluating JavaScript Event Handling for every click of a button to change the background color of a HTML page. (K5)

```
<html>
<head>
<title>
How to change the background color
after clicking the button?
</title>
</head>
<body style = "text-align:center;">
<h1 style = "color:green;" >
JAVASCRIPT EVENT HANDLING
</h1>
"font-size: 16px; font-weight: bold;">
<button onclick = "gfg_Run()">
Click here
</button>
"color:green; font-size: 20px; font-weight: bold;">
<script>
var el_up = document.getElementById("GFG_UP");
var el_down = document.getElementById("GFG_DOWN");
var str = "Click on button to change the background color";
el_up.innerHTML = str;
function changeColor(color) {
document.body.style.background = color;
function gfg_Run() {
changeColor('yellow');
el_down.innerHTML = "Background Color changed";
}
```

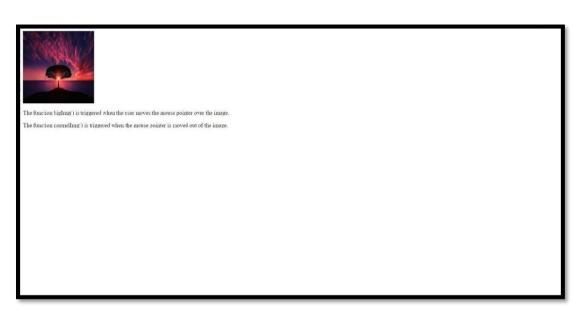
Output:	
Click on butten to change the background color Click here	
[_manuscrient]	
1	
1	
1	
1	
1	
JAVASCRIPT EVENT HANDLIN	G
Click on button to change the background color	G
	G
Click on button to change the background color Click here	G
Click on button to change the background color Click here	G
Click on button to change the background color Click here	G
Click on button to change the background color Click here	G
Click on button to change the background color Click here	G
Click on button to change the background color Click here	G
Click on button to change the background color Click here	G

Experiment No 10:

Create a HTML page to display a new image and text when the mouse comes over the existing content in the page using JavaScript Event Handling. (K6)

```
<html>
<body>
<img onmouseover="bigImg(this)" onmouseout="normalImg(this)" border="0"</pre>
src="C:\Users\mparu\OneDrive\Desktop\smiley.gif" alt="Smiley" width="350"
height="300">
The function bigImg() is triggered when the user moves the mouse pointer
overthe image.
The function normalImg() is triggered when the mouse pointer is moved out of
the image.
<script>
function bigImg(x) {
x.style.height = "64px";
x.style.width = "64px";
}
function normalImg(x) {
x.style.height = "32px";
x.style.width = "32px";
}
</script>
</body>
</html>
```





Experiment No 11:

Create a HTML page to show online exam using JavaScript. (K6)

Source Code:

index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Quiz</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div id="container">
<div id="start">StartOuiz!</div>
<div id="quiz" style="display: none">
<div id="question"></div>
<div id="qImg"></div>
<div id="choices">
<div class="choice" id="A" onclick="checkAnswer('A')"></div>
<div class="choice" id="B" onclick="checkAnswer('B')"></div>
<div class="choice" id="C" onclick="checkAnswer('C')"></div>
</div>
<div id="timer">
<div id="counter"></div>
<div id="btimeGauge"></div>
<div id="timeGauge"></div>
</div>
<div id="progress"></div>
</div>
<div id="scoreContainer" style="display: none"></div>
<script src="quiz.js"></script>
</body>
</html>
```

style.css

```
body{
font-size: 20px;
font-family: monospace;
}
#container{
margin: 20px auto;
background-color: white;
height: 300px;
width: 700px;
border-radius: 5px;
box-shadow: 0px 5px 15px 0px;
position: relative;
}
#start{
font-size: 1.5em;
font-weight: bolder;
word-break: break-all;
width:100px;
height:150px;
border: 2px solid lightgrey;
text-align: center;
cursor: pointer;
position: absolute;
left:300px;
top:50px;
color: lightgrey;
}
#start:hover{
border: 3px solid lightseagreen;
color: lightseagreen;
}
#qImg{
width: 200px;
height: 200px;
position: absolute;
left: 0px;
```

```
top: 0px;
}
#qImg img{
width: 200px;
height: 200px;
border-top-left-radius: 5px;
}
#question{
width:500px;
height: 125px;
position: absolute;
right:0;
top:0;
}
#question p{
margin: 0;
padding: 15px;
font-size: 1.25em;
}
#choices{
width: 480px;
position: absolute;
right: 0;
top: 125px;
padding: 10px
}
.choice{
display: inline-block;
width: 135px;
text-align: center;
border: 1px solid grey;
border-radius: 5px;
cursor: pointer;
padding: 5px;
.choice:hover{
border: 2px solid grey;
```

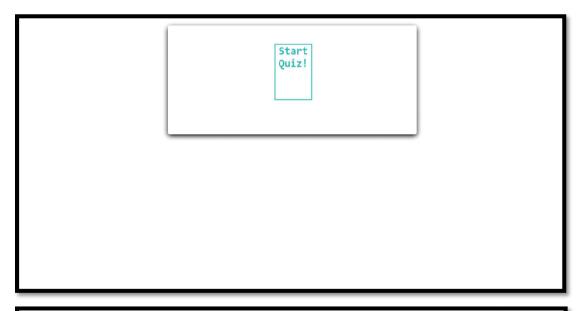
```
font-weight: bold;
}
#timer{
position: absolute;
height: 100px;
width: 200px;
bottom: 0px;
text-align: center;
}
#counter{
font-size: 3em;
}
#btimeGauge{
width: 150px;
height: 10px;
border-radius: 10px;
background-color: lightgray;
margin-left: 25px;
}
#timeGauge{
height: 10px;
border-radius: 10px;
background-color: mediumseagreen;
margin-top: -10px;
margin-left: 25px;
}
#progress{
width: 500px;
position: absolute;
bottom: 0px;
right: 0px;
padding:5px;
text-align: right;
}
.prog{
width: 25px;
height: 25px;
```

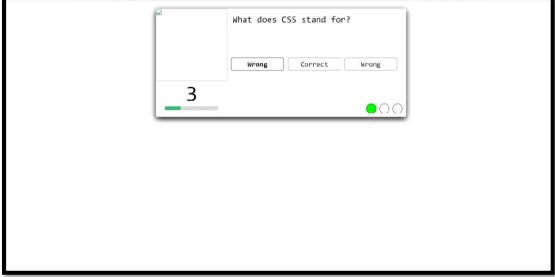
```
border: 1px solid #000;
display: inline-block;
border-radius: 50%;
margin-left: 5px;
margin-right: 5px;
#scoreContainer{
margin: 20px auto;
background-color: white;
opacity: 0.8;
height: 300px;
width: 700px;
border-radius: 5px;
box-shadow: 0px 5px 15px 0px;
position: relative;
display: none;
}
#scoreContainer img{
position: absolute;
top:100px;
left:325px;
}
#scoreContainer p{
position: absolute;
display: block;
width: 59px;
height:59px;
top:130px;
left:325px;
font-size: 1.5em;
font-weight: bold;
text-align: center;
}
```

quiz.js

```
// checkAnwer
function checkAnswer(answer){
if( answer == questions[runningQuestion].correct){
// answer is correct
score++;
// change progress color to green
answerIsCorrect();
}else{
// answer is wrong
// change progress color to red
answerIsWrong();
}
count = 0;
if(runningQuestion < lastQuestion){
runningQuestion++;
renderQuestion();
}else{
// end the quiz and show the score
clearInterval(TIMER);
scoreRender();
}
// answer is correct
function answerIsCorrect(){
document.getElementById(runningQuestion).style.backgroundColor =
"#0f0";
}
// answer is Wrong
function answerIsWrong(){
document.getElementById(runningQuestion).style.backgroundColor =
"#f00";
}
// score render
function scoreRender(){
scoreDiv.style.display = "block";
// calculate the amount of question percent answered by the user
```

```
constscorePerCent = Math.round(100 * score/questions.length);
// choose the image based on the scorePerCent
let img = (scorePerCent >= 80) ? "img/5.png" :
(scorePerCent >= 60) ? "img/4.png" :
(scorePerCent >= 40) ? "img/3.png" :
(scorePerCent >= 20) ? "img/2.png" :
"img/1.png";
scoreDiv.innerHTML = "<img src="+ img +">";
scoreDiv.innerHTML += ""+ scorePerCent +"%";
}
```





<u>CO3</u>

Experiment No 12:

Develop a PHP program to connect to a database and retrieve data from a table and show the details in a neat format. (K6)

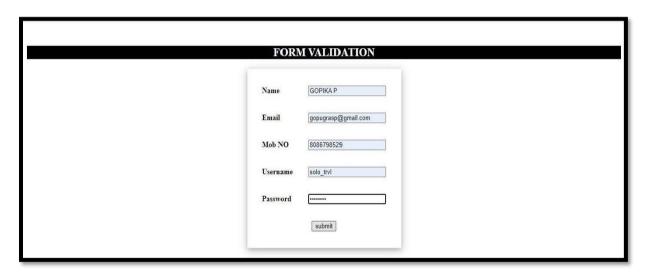
```
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Form Validation</title>
</head>
<style>
table{
background-color:
white; margin-left:
auto; margin-right:
auto; margin-
top:1em;
padding:1em;
box-shadow: 0 4px 10px 0 rgba(0,0,0,0.2), 0 4px 20px 0 rgba(0,0,0,0.19);
}
tr,td,th{
padding:1e
m; textalign: left;
}
.center th{
text-align: center;
}
h2{
text-align: center;
margin-top: 2em;
backgroundcolor:black;color:
white;
}
</style>
```

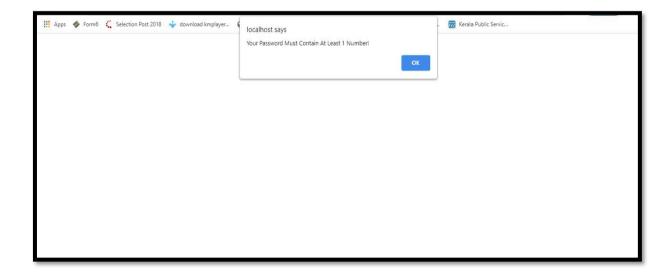
```
<body>
<h2>FORM VALIDATION</h2>
<form name="form" action="#" method="POST">
Name
<input type="text" name="fname"> 
Email
<input type="email" name="email"> 
Mob NO 
<input type="tel" name="mob"> 
Username 
<input type="text" name="user"> 
Password 
<input type="password" name="password"> 
<input type="submit" value="submit"</pre>
name="submit">
</form>
<?php
$con = Mysqli_Connect("localhost");
if(isset($_POST['submit'])){
$name = $_POST['fname'];
$email = $_POST['email'];
$mobile = $_POST['mob'];
$user = $_POST['user'];
```

```
$password = $_POST['password'];
if($ POST['fname'] == ""){
echo "<script>alert('Enter First Name !!')</script>";
}
else if(!preg match("/^[a-zA-Z]*$/",$name)){}
echo "<script>alert('Enter Your Name !!')</script>";
}
else if($_POST['email'] == ""){
echo "<script>alert('Enter Email !!')</script>";
}
else if(!preg_match('/^[0-9]{10}+$/', $_POST['mob'])){
echo "<script>alert('Enter Valid Mobile Number !!')</script>";
}
else if($_POST['user'] == ""){
echo "<script>alert('Enter User Name !!')</script>";
}
else if($ POST['password'] == ""){
echo "<script>alert('Enter Password !!')</script>";
}
else if (strlen($_POST["password"]) < 8) {
echo "<script>alert('Your Password Must Contain At Least 8
Characters!')</script>";
}
else if(!preg_match("#[0-9]+#",$password)) {
echo "<script>alert('Your Password Must Contain At Least 1
Number!')</script>";
}
else if(!preg_match("#[A-Z]+#",$password)) {
echo "<script>alert('Your Password Must Contain At Least 1 Capital
Letter!')</script>";
}
else if(!preg_match("#[a-z]+#",$password)) {
echo "<script>alert('Your Password Must Contain At Least 1 Lowercase
Letter!')</script>";
}
else{
$query = "insert into form
```

```
values('$name','$email','$mobile','$password','$user')";
if(mysqli_query($con,$query)){
  echo "success";
}
else{
  echo "error".$query.mysqli_error($con);
}
}
}

/body>
</html>
```





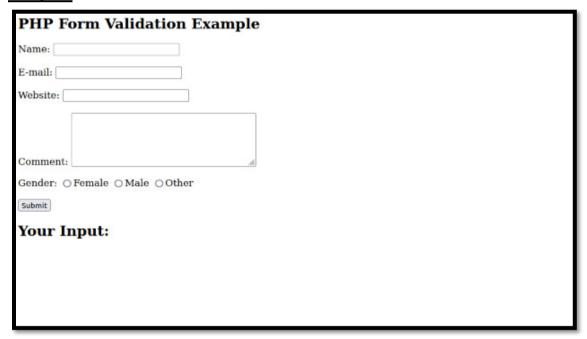
CO4

Experiment No 13:

Outline a registration form using PHP and do necessary validations. (K4)

```
<html>
<head>
</head>
<body>
<?php
// define variables and set to empty values
$name = $email = $gender = $comment = $website = "";
if ($_SERVER["REQUEST_METHOD"] == "POST") {
$name = test_input($_POST["name"]);
$email = test_input($_POST["email"]);
$website = test_input($_POST["website"]);
$comment = test_input($_POST["comment"]);
$gender = test_input($_POST["gender"]);
function test input($data) {
$data = trim($data);
$data = stripslashes($data);
$data = htmlspecialchars($data);
return $data;
}
?>
<h2>PHP Form Validation Example</h2>
<form method="post" action="<?php echo</pre>
htmlspecialchars($_SERVER["PHP_SELF"]);?>">
Name: <input type="text" name="name">
<br>><br>>
E-mail: <input type="text" name="email">
<br>><br>>
Website: <input type="text" name="website">
<br>><br>>
Comment: <textarea name="comment" rows="5" cols="40"></textarea>
<br>><br>>
Gender:
<input type="radio" name="gender" value="female">Female
<input type="radio" name="gender" value="male">Male
<input type="radio" name="gender" value="other">Other
<br>><br>>
```

```
<input type="submit" name="submit" value="Submit">
</form>
<?php
echo "<h2>Your Input:</h2>";
echo $name;
echo "<br/>tr>";
echo $email;
echo "<br>";
echo $website;
echo "<br>";
echo $comment;
echo "<br>";
echo $gender;
?>
</body>
</html>
```

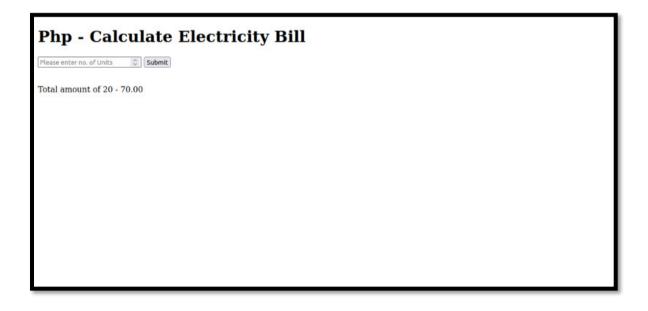


Experiment No 14:

Compose Electricity bill from user input based on a given tariff using PHP. (K6)

```
<head>
<title>PHP - Calculate Electricity Bill</title>
</head>
<?php
$result str = $result = ";
if (isset($_POST['unit-submit'])) {
$units = $_POST['units'];
if (!empty($units)) {
$result = calculate_bill($units);
$result str = 'Total amount of '. $units . ' - '. $result;
}
}
/**
* To calculate electricity bill as per unit cost
function calculate bill($units) {
unit_cost_first = 3.50;
\quad \text{sunit\_cost\_second} = 4.00;
unit_cost_third = 5.20;
\quad \text{sunit\_cost\_fourth} = 6.50;
if($units <= 50) {
$bill = $units * $unit_cost_first;
}
else if($units > 50 && $units <= 100) {
$temp = 50 * $unit_cost_first;
$remaining_units = $units - 50;
$bill = $temp + ($remaining_units * $unit_cost_second);
else if($units > 100 && $units <= 200) {
\text{stemp} = (50 * 3.5) + (100 * \text{sunit\_cost\_second});
$remaining_units = $units - 150;
$bill = $temp + ($remaining_units * $unit_cost_third);
}
else {
\text{stemp} = (50 * 3.5) + (100 * \text{sunit\_cost\_second}) + (100 * \text{sunit\_cost\_third});
$remaining units = $units - 250;
$bill = $temp + ($remaining_units * $unit_cost_fourth);
return number_format((float)$bill, 2, '.', ");
```

```
}
?>
<body>
<div id="page-wrap">
<h1>Php - Calculate Electricity Bill</h1>
<form action="" method="post" id="quiz-form">
<input type="number" name="units" id="units" placeholder="Please enter no. of Units" />
<input type="submit" name="unit-submit" id="unit-submit" value="Submit" />
</form>
<div>
<?php echo '<br />' . $result_str; ?>
</div>
</div>
</div>
</html>
```



Experiment No 15:

Build a PHP code to store name of students in an array and display it using print_r function. Sort and Display the same using asort & arsort functions. (K6)

Source Code:

```
<?php
$name = array("Neha", "Keerthana", "Wamika", "Varun", "Manual", "Febin", "Nidarm");
echo "Result of print_r :<br>" ;
print_r($name);
echo "<br>";
echo "<br>";
echo "Result of asort() :<br/> ;
asort($name);
foreach($name as $x)
echo " $x ";
echo "<br>";
echo "<br>";
echo "<br/>tr>";
echo "Result of arsort() :<br>";
arsort($name);
for each (name as x)
echo " $x ";
echo "<br>";
?>
```

```
Result of print r :
Array ( [0] => Neha [1] => Keerthana [2] => Wamika [3] => Varun [4] => Manual [5] => Febin [6] => Nidarm )

Result of asort() :
Febin
Keerthana
Manual
Neha
Nidarm
Varun
Wamika

Result of arsort() :
Wamika
Varun
Nidarm
Nidarm
Nidarm
Neha
Manual
Keerthana
Febin
```