# DEPARTMENT OF COMPUTER APPLICATION TKM COLLEGE OF ENGINEERING KOLLAM – 691005



## 20MCA133 - WEB PROGRAMMING LAB

PRACTICAL RECORD BOOK

First Semester MCA 2020-2021

# **Submitted by:**

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**ROLL NO: MCA138** 

# DEPARTMENT OF COMPUTER APPLICATION TKM COLLEGE OF ENGINEERING KOLLAM – 691005



# **Certificate**

This is a bonafide record of the work done by ARJUN V PANKAJAKSHAN in the
First Semester in Web Programming Lab Course(20MCA133) towards the partial fulfillment
of the degree of Master of Computer Applications during the academic year 2020-2021.

Staff Member in-charge	Examiner
	•••••

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# **HTML (HYPERTEXT MARKUP LANGUAGE)**

HTML is the language for publishing web pages on the WWW .It is a Document Description Language. HTML is NOT a programming language like C/C++/C#/Java, which is used to implement programming algorithm

An HTML **element** is defined by a start tag, some content, and an end tag:Content goes here..</tagname>

The HTML element is everything from the start tag to the end tag:

<h1>My First Heading</h1>

My first paragraph.

HTML **tables** allow web developers to arrange data into rows and columns. The tag defines an HTML table.e. Each table row is defined with a 
 tag. Each table data/cell is defined with a tag. By default, the text in elements are bold and centered. By default, the text in elements are regular and leftaligned.

HTML **lists** allow web developers to group a set of related items in lists. HTML lists allow web developers to group a set of related items in lists. An ordered list starts with the tag. Each list item starts with the tag. The list items will be marked with numbers by default.HTML also supports description lists. A description list is a list of terms, with a description of each term. The <dl> tag defines the description list, the <dt> tag defines the term (name), and the <dd> tag describes each term.

An HTML form is used to collect user input. The user input is most often sent to a server for processing. The HTML <form> element is used to create an HTML form for user input. The <form> element is a container for different types of input elements, such as: text fields, checkboxes, radio buttons, submit buttons, etc. The HTML <input> element is the most used form element. An <input> element can be displayed in many ways, depending on the type attribute. The <label> tag defines a label for many form elements. The <input type="radio"> defines a radio button. The <input type="checkbox"> defines a checkbox. Checkboxes let a user select ZERO or MORE options of a limited number of choices. The <input type="submit"> defines a button for submitting the form data to a form-handler. The form-handler is typically a file on the server with a script for processing input data. The formhandler is specified in the form's action attribute.

1

# CSS (CASCADING STYLE SHEET)

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file which reduces complexity and repetition in the structural content as well as enabling the .css file to be cached to improve the page load speed between the pages that share the file and its formatting.

There are 3 ways to implement CSS in a HTML Page, they are:

1.INLINE CSS

2.INTERNAL CSS

3.EXTERNAL CSS

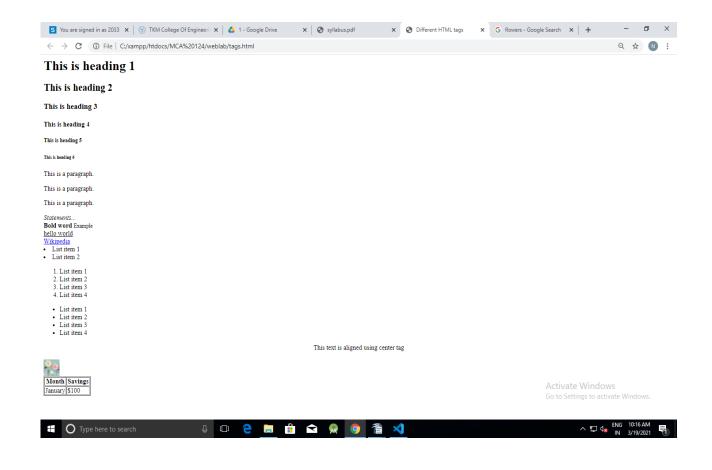
**AIM:**Model a simple HTML file to demonstrate the use of different tags

**<u>DESIGN:</u>** Create a new HTML file and insert the various HTML tags to be displayed.

```
Tags.ht
          <html>
m1
          <head>
          <title>
          Different HTML tags
          </title>
          </head>
          <body>
          >
                <!--head tag-->
            <h1>This is heading 1</h1>
            <h2>This is heading 2</h2>
            <h3>This is heading 3</h3>
            <h4>This is heading 4</h4>
            <h5>This is heading 5</h5>
            <h6>This is heading 6</h6>
            <!--paragraph tag-->
            This is a paragraph.
            This is a paragraph.
            This is a paragraph.
            <!--Emphasis tag-->
            <em> Statements... </em><br>>
            <!--Bold tag-->
            <b>Bold word</b>
            <!--Italic tag-->
            <small>Example</small><br>
            <!--Underline tag-->
            <u>hello world</u><br>
            <!--Anchor tag-->
            <a href="https://en.wikipedia.org/wiki/Wikipedia">Wikipedia</a>
            <!--List tag: It is used to list the content.-->
            List item 1
             List item 2
```

```
<!--Ordered List tag: It is used to list the content in a particular order.-->
  < 01 >
    List item 1
    List item 2
    List item 3
    List item 4
 <\!\!0!>
 <!-- Unordered List tag: It is used to list the content without order.-->
 <u1>
  List item 1
  List item 2
  List item 3
  List item 4
 </u1>
 <!--Center tag: It is used to set the content into the center.-->
 <center>This text is aligned using center tag</center>
 <!--Line break tag: It is used to break the line.-->
 <br/>br>
 <!--image tag -->
 <img src="flower.jpg" width="40" height="40" border="0">
 <!--Tables Tags: Table tag is used to create a table in html document.-->
 <!--Tr tag: It is used to define row of html table-->
 <!--Th tag: It defines the header cell in a table. By default it set the content
with bold and center property.-->
 <!--Td tag: It defines the standard cell in html document.-->
 >
   Month
   Savings
  >
   January
   $100
  </body>
</html>
```

## **RESULT:** The program was successfully executed and obtained the output



**AIM:**Create a HTML file to link to different HTML page which contains images, tables, and also link within a page

**<u>DESIGN</u>**: DESIGN a HTML file to link to different HTML page which contains images, tables, and

also link within a page.

web.html	html
	<html></html>
	<center></center>
	<head></head>
	<nav></nav>
	<h1><a href="web.html"><b>HOME<b></b></b></a></h1>
	<a href=" sub/whoai.html"> ABOUT ME </a>
	<a href=" sub/qua.html">EDUCATONAL DETAILS</a>
	<a href=" sub/co.html">CONTACT</a>
	<title>ARJUN V PANKAJAKSHAN</title>
	<h1><b>WELCOME</b></h1>
	<img <="" src="sub/pro.jpg" td=""/>
	width="150"
	height="200">
	<center></center>
	<body></body>

	Hi, I am <b>Arjun V Pankajakshan</b> ,This is a webpage which incudes some of my personal data and educational details. Yo can view my personal data as well as my Educational Achievements from this webpage Currenty I am doing MCA in <a href="https://tkmce.ac.in/">TKM College of Engineering,Kollam</a> . 	
co.html	<html></html>	
	<title>Contact Details</title>	
	<h2>CONTACT</h2>	
	<body></body>	
	<ul><li><ul></ul></li></ul>	
	<li>Mobile-8078240602,6282896834</li>	
	<li>landline-04936 211438</li>	
	<li>Email- arjuneastkoleri@gmail.com</li>	
	<li><li>Whatsapp-8078240602</li></li>	
	<li>Telegram- <a href="https://t.me/UTTAPPAN">Arjun V P </a></li>	
qua.html	<html></html>	
	<pre><center></center></pre> center tag is used to align as center	
	<title>MARKS DETAILS</title>	
	<h1><u><center>MARKS DETAILS</center></u></h1>	
	<h2><u><center>SSLC MARKS</center></u></h2>	
	<center></center>	
	Subject	
	Grade	

Sanskrit
A plus
Malayalam
A plus
English
A plus
Hindi
A plus
Social Science
A plus
Physics
A plus
Chemistry
A plus

```
Biology
A plus
Mathematics
A plus
Information Technology
A plus
</center>
<h2><center>HIGHER SECONDARY EXAM MARKS</center></h2>
SUBJECTS
FIRST YEAR  <!here colspan used for add multiple
columns>
SECOND YEAR
GRAND TOTAL
GRADE
  <! This s used to set it as empty cell>
 CE
```

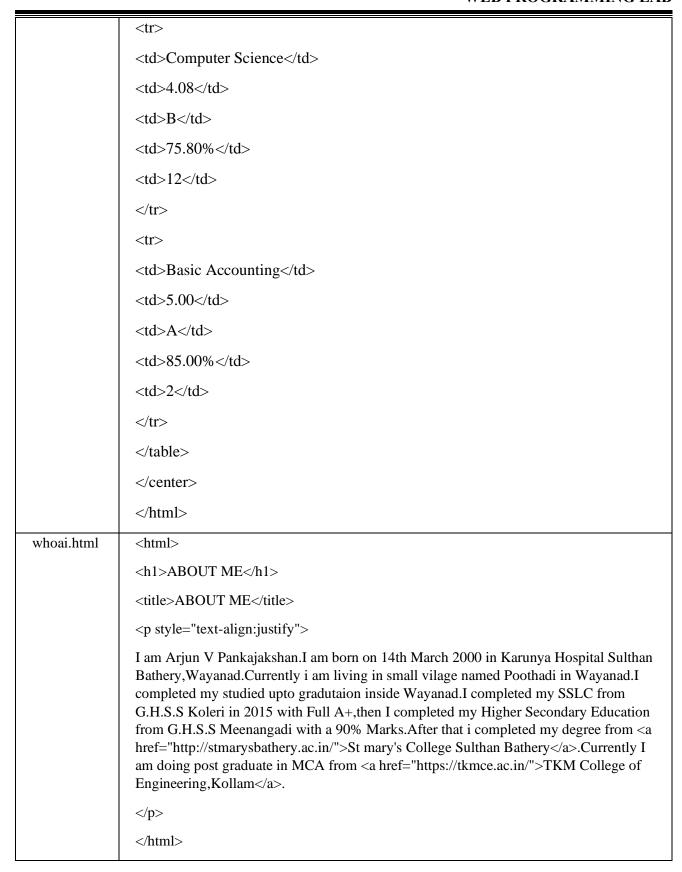
TE
Total
CE
PE
TE
Total
CE
PE
TE
Total
ENGLISH
20
60
80
20
51
71
40
111
151
B plus
SANSKRIT

20
80
100
20
75
95
40
155
195
A plus
PHYSICS
20
47
67
20
40
54
114
40
40
101
181
A plus

CHEMISTRY
20
49
69
20
40
58
118
40
40
107
187
A plus
BIOLOGY
20
50
70
20
38
57
115
40
38
107
185

A plus
MATHEMATICS
20
78
98
20
65
85
40
-
143
183
A plus
<h2>DEGREE MARKS</h2>
Category
CGPA
Grade
CGPA %
Credits

	Engish
	3.00
	C
	65%
	22
	Malayalam
	4.25
	B
	77.50%
	16
	Mathematics
	4.07
	B
	75.70%
	56
	Statistics
	5.00
	A
	85.00%
	12
i l	



#### HOME ABOUT ME EDUCATONAL DETAILS CONTACT

### WELCOME



Hi, I am Arjun V Pankajakshan, This is a webpage which incudes some of my personal data and educational details. Yo can view my personal data as well as my Educational Achievements from this webpage Currenty I am doing MCA in <a href="https://recurrenty.org/recurrenty">TKM College of Engineering, Kollam</a>.

### **ABOUT ME**

I am Arjun V Pankajakshan.I am born on 14th March 2000 in Karunya Hospital Sulthan Bathery, Wayanad Currently i am living in small vilage named Poothadi in Wayanad.I completed my studied upto gradutaion inside Wayanad.I completed my SSLC from G.H.S.S Koleri in 2015 with Full A+, then I completed my Higher Secondary Education from G.H.S.S Meenangadi with a 90% Marks.After that i completed my degree from St mary's College Sulthan Bathery. Currently I am doing post graduate in MCA from TKM College of Engineering, Kollam.

#### MARKS DETAILS

#### SSLC MARKS

Subject	Grade
Sanskrit	A plus
Malayalam	A plus
English	A plus
Hindi	A plus
Social Science	A plus
Physics	A plus
Chemistry	A plus
Biology	A plus
Mathematics	A plus
Information Technology	A plus

#### HIGHER SECONDARY EXAM MARKS

SUBJECTS	FIF	RST	YEAR	SE	COI	ND '	YEAR	GF	AN	D T	OTAL	GRAD
	CE	TE	Total	CE	PE	TE	Total	CE	PΕ	TΕ	Total	
ENGLISH	20	60	80	20		51	71	40		111	151	B plus
SANSKRIT	20	80	100	20		75	95	40		155	195	A plus
PHYSICS	20	47	67	20	40	54	114	40	40	101	181	A plus
CHEMISTRY	20	49	69	20	40	58	118	40	40	107	187	A plus
BIOLOGY	20	50	70	20	38	57	115	40	38	107	185	A plus
MATHEMATICS	20	70	00	20		65	0.5	40		1.42	102	A often

#### DEGREE MARKS

Category	CGPA	Grade	CGPA %	Credit
Engish	3.00	C	65%	22
Malayalam	4.25	В	77.50%	16
Mathematics	4.07	В	75.70%	56
Statistics	5.00	A	85.00%	12
Computer Science	4.08	В	75.80%	12
Basic Accounting	5.00	A	85.00%	2

# **CONTACT**

- Mobile-8078240602,6282896834
- landline-04936 211438
- Email- arjuneastkoleri@gmail.com
- Whatsapp-8078240602
- Telegram- Arjun V P

<u>**AIM:**</u> Create a HTML page with different types of frames such as floating frame, navigation frame &

mixed frame

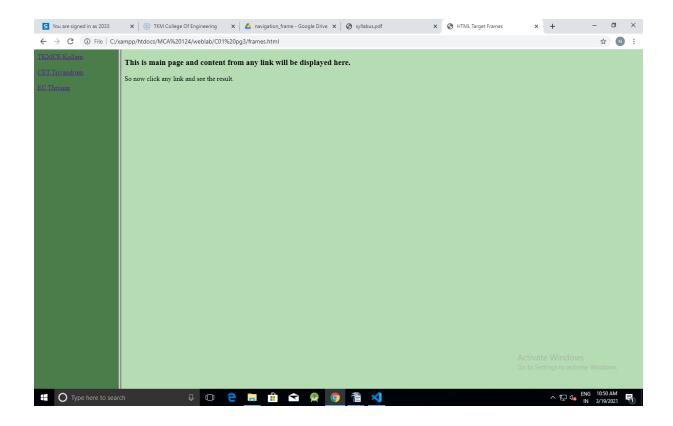
**<u>DESIGN</u>**: DESIGN a HTML page with different types of frames such as floating frame, navigation

frame & mixed frame

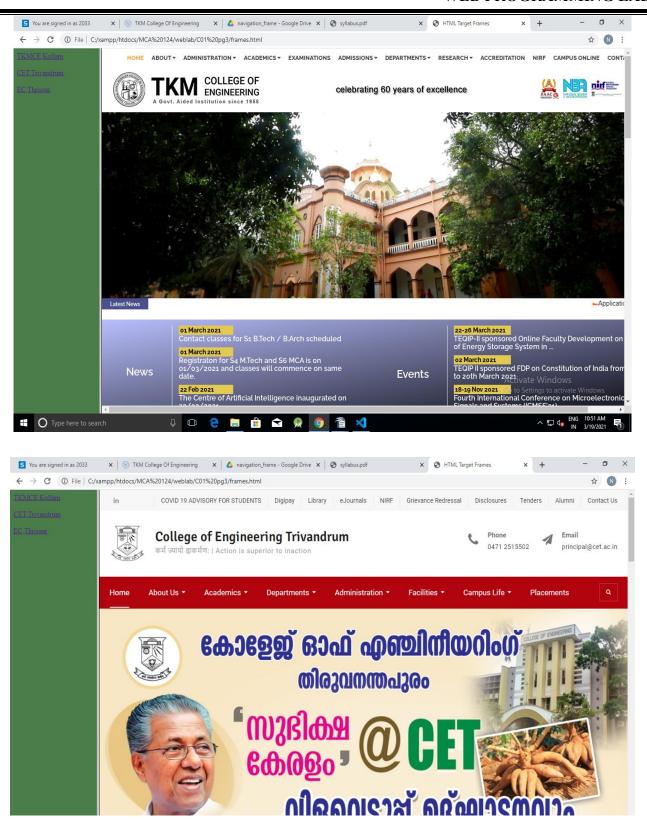
```
Frames
          <!DOCTYPE html>
          <html>
.html
            <head>
             <title>HTML Target Frames</title>
            </head>
            <frameset cols = "200, *">
             <frame src = "nav menu.htm" name = "menu page" />
             <frame src = "nav main.htm" name = "main page" />
             <noframes>
               <br/><body>Your browser does not support frames.</body>
             </noframes>
            </frameset>
          </html>
          <!DOCTYPE html>
nav m
ain.htm
          <html>
            <body bgcolor = "#b5dcb3">
             <h3>This is main page and content from any link will be displayed
          here.</h3>
             So now click any link and see the result.
            </body>
          </html>
nav m
enu.ht
          <!DOCTYPE html>
          <html>
m
```

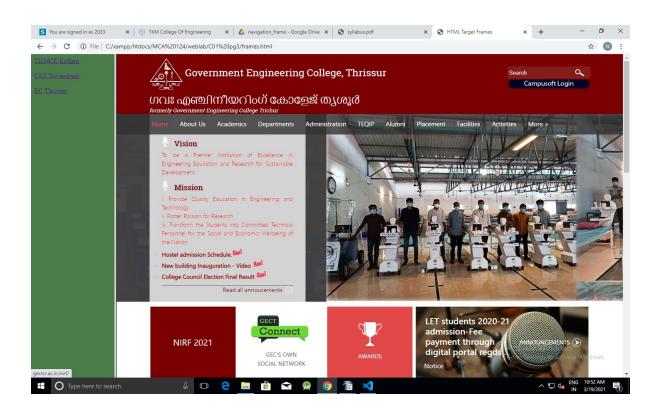
```
<br/>
<body bgcolor = "#4a7d49">
              <a href = "https://tkmce.ac.in/" target =
           "main page">TKMCE,Kollam</a>
              <br/>>
               <br/>br />
               <a href = "https://www.cet.ac.in/" target =
           "main page">CET,Trivandrum</a>
               <br/>br />
              <br/>>
              <a href = "http://gectcr.ac.in/" target = "main page">EC,Thrissur</a>
             </body>
           </html>
mixed.
           <html>
html
           <frameset cols="30%,*">
           <frame src="pic.html"></frame>
           <frameset rows="50%,*">
           <frame src="video.html" autostart="true">
           <frame src="Q3.html" >
           </frameset>
           </frameset>
           </html>
```

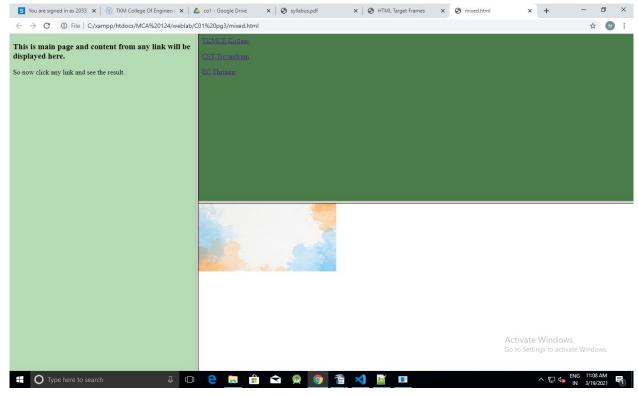
**RESULT:** The program was successfully executed and obtained the output



#### WEB PROGRAMMING LAB







<u>AIM:</u> Analyze CSS by applying the different styles using inline, external & internal style sheets in a

HTML file

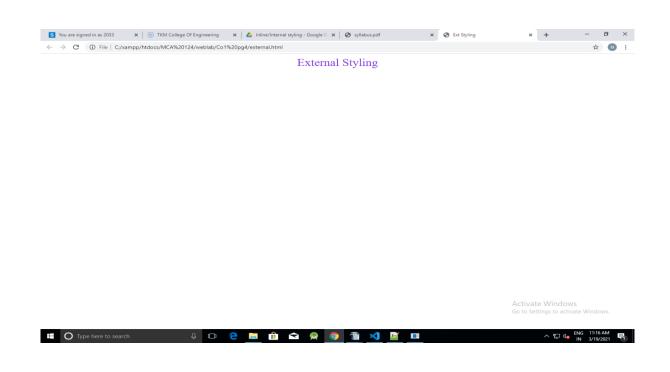
**DESIGN:** DESIGN HTML page to demostarte different ways to apply CSS

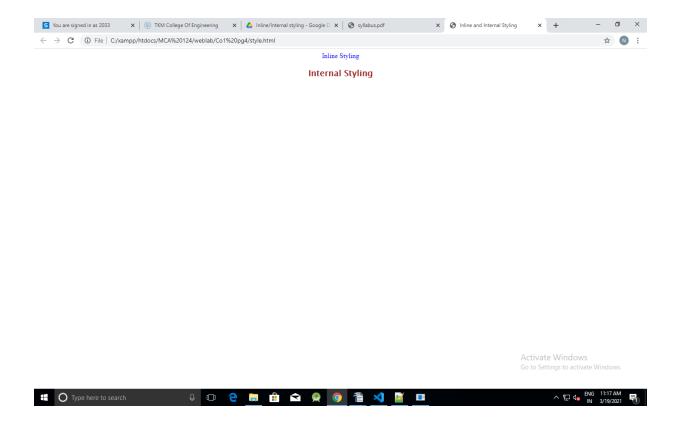
```
<html>
Style.h
tml
          <head>
          <style>
          h1{
            color: brown;
            font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida
          Sans Unicode', Geneva, Verdana, sans-serif;
            font-size: 20px;
            text-align: center;
          </style>
          <title>
          Inline and Internal Styling
          </title>
          </head>
          <body>
          Inline Styling
          <h1>Internal Styling</h1>
          </body>
          </html>
externa
1.html
          <html>
          <head>
          <link rel="stylesheet" href="mystyle.css" >
          <title>
          Ext Styling
          </title>
          </head>
          <body>
          External Styling
          </body>
          </html>
```

```
mystyl
e.css

body
{
    color: blueviolet;
    text-align: center;
    font-size: 30px;
}
```

**RESULT:** The program was successfully executed and obtained the output





**AIM:** Demonstrate a registration form using HTML

**DESIGN:**DESIGN an HTML page to demonstarte registration form

## **SOURCE CODE:**

```
<html>
Form.h
tml
       <body>
         <br>><br>>
         <form>
           lightgreen; border-color: darkgreen; color: darkslategray;">
              <h1 align="center">Registration Form</h1>
            >
              <label for="name">Enter Name :</label>
              <input type="text" placeholder="ex. Arjun V P"
       id="name">
            <label for="name">Enter e-mail :</label>
              <input type="email" placeholder="ex. abc@xyz.com"
       id="email">
            <label for="name">Enter Phone No. :</label>
              <input type="tel" id="phone" name="phone" pattern="[0-
       9]{12}" placeholder="ex. +918078240602" >
            <input type="submit" style="width:100%">
              <input type="reset" style="width:100%">
            </form>
       </body>
       </html>
```

**RESULT:** The program was successfully executed and obtained the output



# **JAVASCRIPT**

JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part of web applications. The vast majority of websites use it for client-side page behavior, and all major web browsers have a dedicated JavaScript engine to execute it.

As a multi-paradigm language, JavaScript supports event-driven, functional, and imperative programming styles. It has application programming interfaces (APIs) for working with text, dates, regular expressions, standard data structures, and the Document Object Model (DOM).

JavaScript engines were originally used only in web browsers, but they are now core components of other runtime systems, such as Node.js and Deno. These systems are used to build servers and are also integrated into frameworks, such as Electron and Cordova, for creating a variety of applications. The use of JavaScript has expanded beyond its web browser roots. JavaScript engines are now embedded in a variety of other software systems, both for server-side website deployments and non-browser applications.

JavaScript typically relies on a run-time environment (e.g., a web browser) to provide objects and methods by which scripts can interact with the environment (e.g., a web page DOM). These environments are single-threaded. JavaScript also relies on the run-time environment to provide the ability to include/import scripts (e.g., HTML <script> elements). This is not a language feature per se, but it is common in most JavaScript implementations. JavaScript processes messages from a queue one at a time. JavaScript calls a function associated with each new message, creating a call stack frame with the function's arguments and local variables.

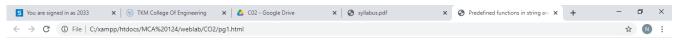
**AIM:** Create a HTML page to explain the use of various predefined functions in a string and math object in JS

**DESIGN:** DESIGN a HTML page to explain various predefines functions in string & math object

## **SOURCE CODE:**

```
Pg1.ht
           <html>
ml
           <head>
           <title>Predefined functions in string and math</title>
           <style>
          body
           {
               text-align: center;
               font-family: verdana;
               font-size: 25px;
           </style>
           </head>
           <body>
           <script>
           document.write("<h2>Predefined functions of string and math object</h2>")
           var num=Math.round(4.4)
           document.write("Rounding a number using Math.round",+num);
           var str="Hello World";
           document.write("<br>")
           document.write("Charecter at 0th position of "+str+" is:"+str.charAt(0));
           var c = 50.65
           var x=Math.ceil(c)
           document.write("<br/>br>Value of "+c+" after using Math.ceil is:"+x);
           var lw="web programming";
           document.write("<br/>br>"+lw+" to upper case:"+lw.toUpperCase());
           var power=Math.pow(3,2);
           document.write("<br/>br> Math.pow(3,2) gives:"+power);
           </script>
           </body>
           </html>
```

**RESULT:** The program was successfully executed and obtained the output.



# Predefined functions of string and math object

Rounding a number using Math.round4 Charecter at 0th position of Hello World is:H Value of 50.65 after using Math.ceil is:51 web programming to upper case:WEB PROGRAMMING Math.pow(3,2) gives:9

Activate Windows
Go to Settings to activate Windows.



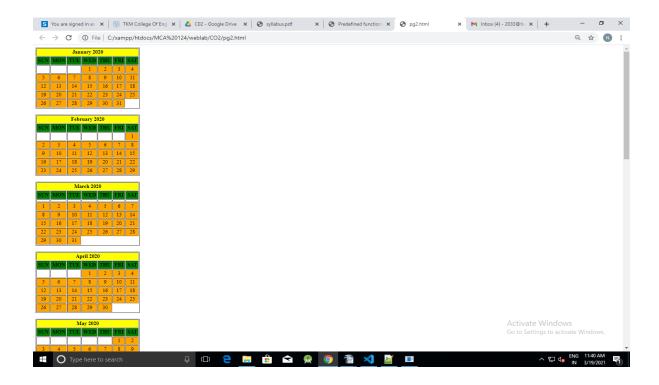
**AIM:**Generate the calendar using JavaScript code by getting the year from the user.

**<u>DESIGN</u>**: DESIGN an HTML page to generate a calender using JavaScript. The calendar will be created by means of using inbuilt getDay() & by generating tables by means of HTML DOM.

```
Pg2.ht
          <html>
          <head>
ml
          <script language="javascript">
               function day title(day name)
                   document.write("<td align=center width=30
          bgcolor=green><b>"+day name+"</b>");
               function fill table(month,month len)
                   day=1;
                   document.write("<table border=1 cellspacing=2
          cellpadding=3%>");
                   document.write("<td colspan=7 align=center
          bgcolor=Yellow><b>"+month+" "+year+"</b>");
                   day title("SUN");
                   day title("MON");
                   day title("TUE");
                   day title("WED");
                   day title("THU");
                   day title("FRI");
                   day title("SAT");
                   document.write("");
                   for(var i=1; i<start day;i++)
                        document.write("");
                   for(var i=start day; i<8;i++)
                        document.write("<td align=center
          bgcolor=orange>"+day+"");
                        day++;
                   document.write("");
```

```
while(day<=month len)
              for(var i=1; i<=7 && day<=month len;i++)
                   document.write("<td align=center
bgcolor=orange>"+day+"");
                   day++;
              document.write("");
              start day=i;
         document.write("<br>");
    year=prompt("Enter The Year ",2020);
    today=new Date("January 1, "+year);
    start day=today.getDay()+1;
    fill table("January", 31);
    if (year\%4==0)
         fill table("February", 29);
    else
         fill table("February", 28);
         fill table("March", 31);
         fill table("April", 30);
         fill table("May", 31);
         fill table("June", 30);
         fill table("July", 31);
         fill table("August", 31);
         fill table("September", 30);
         fill table("October", 31);
         fill table("November", 30);
         fill table("December", 31);
</script>
</head>
</html>
```

**RESULT:** The program was successfully executed and obtained the output



AIM: Create a HTML registration form and to validate the form using JavaScript code

**<u>DESIGN:</u>** DESIGN a HTML page to demostrate registration form & validate the same using JS via HTML DOM and validation logic.

```
Pg3.ht
            <html>
ml
            <script type="text/javascript">
              function validate()
                var name = document.getElementById("name").value;
                var city = document.getElementById("city").value;
                var email = document.getElementById("email").value;
                var dob = document.getElementById("dob").value;
                var valid = true;
                if(name.length<=0)
                   alert("Please Enter Your Name.");
                   valid = false;
                else if(city.length<=0)
                   alert("Please Enter Your City.");
                   valid = false;
                 else if(email.length<=0)
                   alert("Please Enter Your email.");
                   valid = false;
                 else if(email.length>0)
                   var pat = /^([A-Za-z0-9 \ -\.]) + (@([A-Za-z0-9 \ -\.]) + .([A-Za-z0-y \ -\.]))
            z]{2,4})$/;
                   if(pat.test(email) == false)
```

```
alert("Please enter a vaild email address");
     valid = false;
    else if(dob.length<=0)
     alert("Please Enter Your Date of Birth.");
     valid = false;
   if(valid)
     alert("Congratulations! Your form has been submitted successfully.");
</script>
<body>
  <br>
 <br>
 <br>
  <div style="text-align:center;">
 <form method="post" name="rform">
    <h1 style="text-align:center;color:seagreen">Registeration
Form</h1>
    <input type="text" placeholder="Enter Your Name" id="name"
style="width:100%">
    <input type="text" placeholder="Enter Your City" id="city"
style="width:100%">
    <input type="email" placeholder="Enter Your Email"
id="email" style="width:100%">
    align="center"><label for="dob" >Date of Birth :
<br/>/label>
    align="center"><input type="date" id="dob"
style="width:100%">
    <input type="button" value="Submit" onclick="validate()"
style="width:100%">
    </form>
  </div>
</body>
</html>
```

**RESULT:** The program was successfully executed and obtained the output

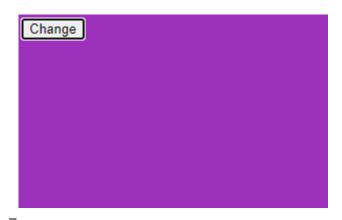


AIM: Evaluating JavaScript Event Handling for every click of a button to change the background color of HTML page

**DESIGN**: DESIGN an HTML page to elustrate the use of event handling in JS

#### **SOURCE CODE:**

**RESULT:** The program was successfully executed and obtained the output



**AIM:** 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.

**<u>DESIGN:</u>** Use an <img> tag to place an image on the page. Use mousover() & mouseout() to fire events to change the image in the <img> tag using JavaScript.

```
Pg5.ht
           <html>
ml
           <script>
           function transform()
             document.getElementById("box").style.backgroundImage =
           "url('brazil.svg')";
             document.getElementById("box").style.backgroundPosition = "center"
           center";
           function transformBack()
             document.getElementById("box").style.backgroundImage = "url('uk.svg')";
             document.getElementById("box").style.backgroundPosition = "center
           center";
           </script>
           <body>
           <div style="background:url('uk.svg');height:400px;width:800px;background-</pre>
           position:center center;" onmouseover="transform()"
           onmouseout="transformBack()" id="box"></div>
           </body>
           </html>
```

**RESULT:** The program was successfully executed and obtained the output





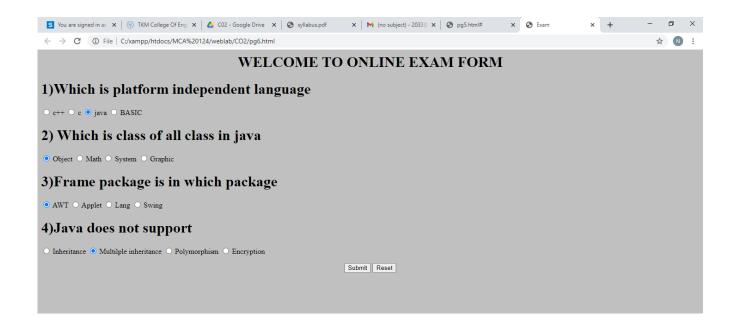
AIM: Create a HTML page to show online exam using JavaScript

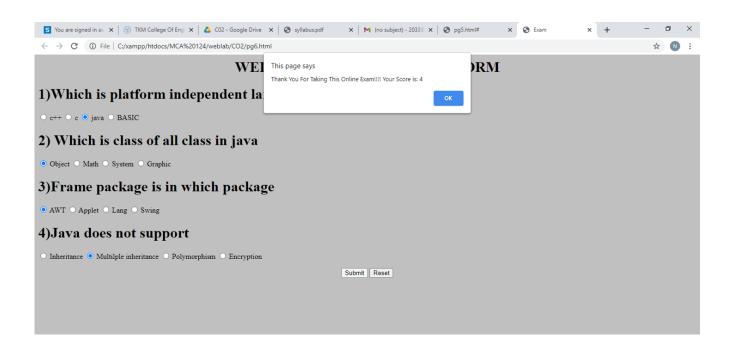
**DESIGN**: DESIGN an HTML page to show online exam using JS

```
Pg6.html
                <html>
                <head>
                <title>Exam</title>
                <script language="javascript">
                function exam(form)
                var i=0;
                if(form.one[2].checked)
                i=i+1;
                if(form.three[0].checked)
                i=i+1;
                if(form.four[0].checked)
                i=i+1;
                if(form.five[1].checked)
                i=i+1;
                window.alert("Thank You For Taking This Online Exam!!!! Your Score is:
                </script>
                </head>
                <br/>body bgcolor=silver>
                <form onSubmit="exam(this)">
                <center><h1><blink>WELCOME TO ONLINE EXAM
                FORM</blink></h1></center>
                >
                <h1>1)Which is platform independent language</h1>
                <input type="radio" name="one" value="c++">
                <label>c++</label>
                <input type="radio" name="one" value="c">
                <label>c</label>
                <input type="radio" name="one" value="java">
                <label>java</label>
                <input type="radio" name="one"value="basic">
                <label>BASIC</label>
                >
                <h1>2) Which is class of all class in java</h1>
                <input type="radio" name="three" value="object">
                <label>Object</label>
                <input type="radio" name="three" value="math">
```

```
<label>Math</label>
<input type="radio" name="three" value="system">
<label>System</label>
<input type="radio" name="three" value="graphic">
<label>Graphic</label> 
>
<h1>3)Frame package is in which package</h1>
<input type="radio" name="four" value="awt">
<label>AWT</label>
<input type="radio" name="four" value="applet">
<label>Applet</label>
<input type="radio" name="four" value="lang">
<label>Lang</label>
<input type="radio" name="four" value="swing">
<label>Swing</label>
>
<h1>4)Java does not support</h1>
<input type="radio" name="five" value="inheritance">
<label>Inheritance</label>
<input type="radio" name="five" value="multiple inheritance">
<label>Multilple inheritance/label>
<input type="radio" name="five" value="polymorphism">
<label>Polymorphism</label>
<input type="radio" name="five" value="encryption">
<label>Encryption</label>
<center>
<input type="submit" value="Submit">
<input type ="reset" value="Reset">
</re>
</body>
</html>
```

**RESULT:** The program was successfully executed and obtained the output





# **PHP (Hypertext Preprocessor)**

PHP is a general-purpose scripting language especially suited to web development. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1994. The PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the recursive initialism PHP: Hypertext Preprocessor.

PHP code is usually processed on a web server by a PHP interpreter implemented as a module, a daemon or as a Common Gateway Interface (CGI) executable. On a web server, the result of the interpreted and executed PHP code – which may be any type of data, such as generated HTML or binary image data – would form the whole or part of an HTTP response. Various web template systems, web content management systems, and web frameworks exist which can be employed to orchestrate or facilitate the generation of that response. Additionally, PHP can be used for many programming tasks outside of the web context, such as standalone graphical applications and robotic drone control. Arbitrary PHP code can also be interpreted and executed via command-line interface (CLI).

# **MySQL**

MySQL is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language. A relational database organizes data into one or more data tables in which data types may be related to each other; these relations help structure the data. SQL is a language programmers use to create, modify and extract data from the relational database, as well as control user access to the database. In addition to relational databases and SQL, an RDBMS like MySQL works with an operating system to implement a relational database in a computer's storage system, manages users, allows for network access and facilitates testing database integrity and creation of backups.

MySQL is free and open-source software under the terms of the GNU General Public License, and is also available under a variety of proprietary licenses. MySQL was owned and sponsored by the Swedish company MySQL AB, which was bought by Sun Microsystems (now Oracle Corporation). In 2010, when Oracle acquired Sun, Widenius forked the open-source MySQL project to create MariaDB.

MySQL has stand-alone clients that allow users to interact directly with a MySQL database using SQL, but more often MySQL is used with other programs to implement applications that need relational database capability. MySQL is a component of the LAMP web application software stack (and others), which is an acronym for Linux, Apache, MySQL, Perl/PHP/Python. MySQL is used by many database-driven web applications, including Drupal, Joomla, phpBB, and WordPress. MySQL is also used by many popular websites, including Facebook, Flickr, MediaWiki, Twitter and YouTube.

<u>AIM:</u> Develop a PHP program to connect to a database and retrieve data from a table and show the details in a neat format.

**<u>DESIGN:</u>** Create a table named 'students' in MySQL. Use mysqli driver for PHP to connect the program to a MySQL Database. Use select query to get the required data from the database. Generate a table programatically to display the obtained data.

```
Stude
       <?php
nts.ph
       $servername = "localhost";
       $username = "root";
p
       $password = "";
       $dbname = "sample";
       // Create connection
       $conn = mysqli connect($servername, $username, $password,$dbname);
       // Check connection
       if (!$conn) {
        die("Connection failed: ". mysqli connect error());
       $sql = "SELECT * FROM students";
       $result = mysqli query($conn, $sql);
       if (mysqli num rows(\$result) > 0) {
        // output data of each row
        echo "<br>";
        echo "";
        echo "<b>Student List</b>";
        echo "Student IDNameCityPhone
       No.Course";
        while($row = mysqli fetch assoc($result)) {
         echo "". $row["student id"]."".
       $row["name"]."". $row["city"]."".
       $row["phone"]."". $row["course"]."";
        echo "";
```

```
} else {
         echo "0 results";
        mysqli close($conn);
        -- phpMyAdmin SQL Dump
Samp
        -- version 4.6.4
le.sql
        -- https://www.phpmyadmin.net/
        -- Host: 127.0.0.1
        -- Generation Time: Mar 02, 2021 at 05:23 PM
        -- Server version: 5.7.14
        -- PHP Version: 5.6.25
        SET SQL MODE = "NO AUTO VALUE ON ZERO";
        SET time zone = "+00:00";
        /*!40101 SET
        @OLD CHARACTER SET CLIENT=@@CHARACTER SET CLIENT */;
        /*!40101 SET
        @OLD CHARACTER SET RESULTS=@@CHARACTER SET RESULT
        S */:
        /*!40101 SET
        @OLD COLLATION CONNECTION=@@COLLATION CONNECTION
        /*!40101 SET NAMES utf8mb4 */;
        -- Database: `sample`
        -- Table structure for table 'students'
        CREATE TABLE 'students' (
         'student id' int(10) NOT NULL,
         'name' varchar(100) NOT NULL,
         'city' varchar(200) NOT NULL,
         'phone' varchar(50) NOT NULL,
         'course' varchar(100) NOT NULL
        ) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
-- Dumping data for table 'students'
INSERT INTO 'students' ('student id', 'name', 'city', 'phone', 'course')
VALUES
(1, 'John', 'Kollam', '9348721634', 'B.Tech'),
(2, 'Mohammed', 'Ernakulam', '9361248214', 'PGDM'),
(3, 'Harris', 'Kannur', '9621640123', 'B.Pharm'),
(4, 'Das', 'Thiruvanathapuram', '90324727421', 'B.Com'),
(5, 'Drishya', 'Thrissur', '8032459321', 'M.Plan');
-- Indexes for dumped tables
-- Indexes for table 'students'
ALTER TABLE 'students'
ADD PRIMARY KEY ('student id');
-- AUTO INCREMENT for dumped tables
-- AUTO INCREMENT for table 'students'
ALTER TABLE 'students'
MODIFY 'student id' int(10) NOT NULL AUTO INCREMENT,
AUTO INCREMENT=6;
/*!40101 SET
CHARACTER SET CLIENT=@OLD CHARACTER SET CLIENT */;
/*!40101 SET
CHARACTER SET RESULTS=@OLD CHARACTER SET RESULTS */;
/*!40101 SET
COLLATION CONNECTION=@OLD COLLATION CONNECTION */;
```

**RESULT:** The program was successfully executed and obtained the output

Student List				
Student ID	Name	City	Phone No.	Course
1	John	Kollam	9348721634	B.Tech
2	Mohammed	Ernakulam	9361248214	PGDM
3	Harris	Kannur	9621640123	B.Pharm
4	Das	Thiruvanathapuram	90324727421	B.Com
5	Drishya	Thrissur	8032459321	M.Plan

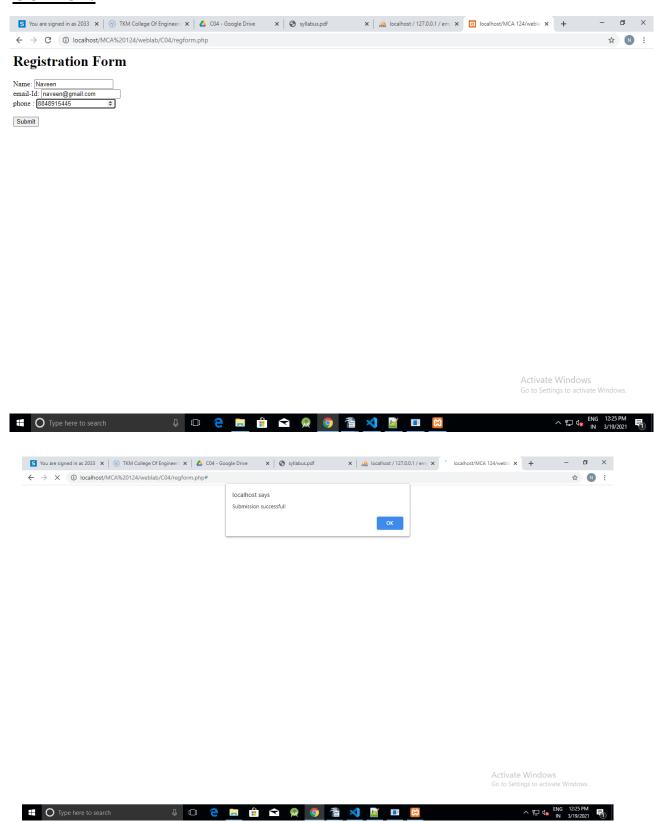
**AIM:**Outline a registration form using PHP and do necessary validations.

**DESIGN**: DESIGN an HTML page to elustrate the use of event handling in JS.

```
Regfor
           <html>
m.html
           <body>
           <?php
           ne = "";
           $email = "";
           $phone = "";
           if ($ SERVER["REQUEST METHOD"] == "POST")
           {
            $name = $ POST['name'];
            $email = $ POST['email'];
            $phone = $_POST['phone'];
            $valid = true;
            if(empty($name)) {
             echo "<script>alert('Please enter valid name.')</script>";
             $valid = false;
            if (empty($email))
             echo "<script>alert('Please enter valid email.')</script>";
             $valid = false;
            if (empty($phone))
             echo "<script>alert('Please enter valid phone no.')</script>";
             $valid = false;
```

```
if($valid){
  $name = "";
  $email = "";
  $phone = "";
  echo "<script>alert('Submission successful!')</script>";
<h1>Registration Form</h1>
<form method="post" action="#">
 Name: <input type="text" name="name" value="<?php echo
$name; ?>"><br>
 email-Id: <input type="email" name="email" value="<?php echo
$email; ?>"><br>
 phone : <input type="number" name="phone" value="<?php echo
$phone; ?>"><br><br>
 <input type="submit">
</form>
</body>
</html>
```

**RESULT:** The program was successfully executed and obtained the output.

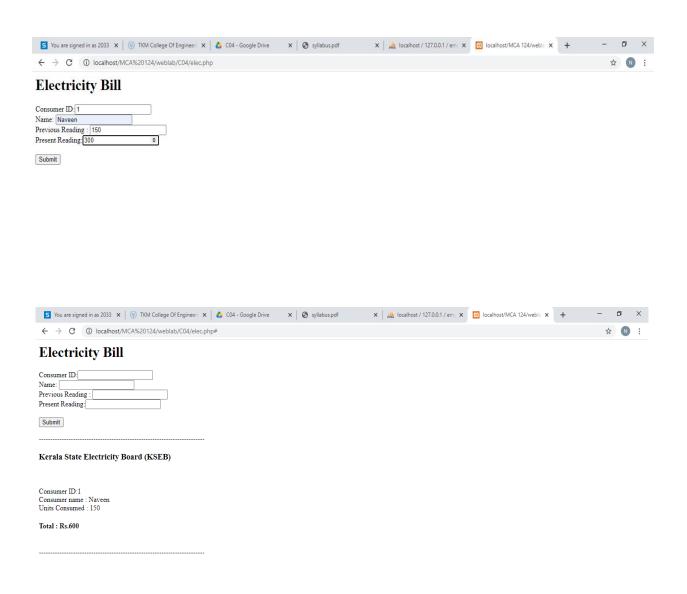


**AIM:**Compose Electricity bill from user input based on a given tariff using PHP

**DESIGN:** DESIGN an HTML page to show an electricity bill using PHP

```
Elec.ph
         <html>
         <body>
p
         <h1>Electricity Bill</h1>
         <form method="post" action="#">
          Consumer ID:<input type="number" name="id"><br>
          Name: <input type="text" name="name"><br>
          Previous Reading: <input type="number" name="prev"><br>
          <input type="submit">
         </form>
         <?php
         if ($ SERVER["REQUEST METHOD"] == "POST")
          $id= $ POST['id'];
          $name = $ POST['name'];
          $prev = $ POST['prev'];
          $pres = $ POST['pres'];
          $rate = $ POST['rate'];
          $units=$pres-$prev;
          echo "-----":
          echo "<h3>Kerala State Electricity Board (KSEB)</h3>";
          echo "<br>>";
          echo "Consumer ID:" .$id." <br/> ";
          echo "Consumer name: ".$name." <br/>';
          echo "Units Consumed: ".$units." <br/> ";
          if(\$units<=100)
           $amt=$unit*3;
```

**RESULT:** The program was successfully executed and obtained the output



**AIM:**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.

**DESIGN:** DESIGN an HTML page to elustrate the use of asort() & arsort()

#### **SOURCE CODE:**

**RESULT:** The program was successfully executed and obtained the output.

```
\label{eq:Normal Array: Array (0) = Nihal (1) = Bhramman (2) = Shaad (3) = Nithin (4) = Amjyad (5) = Arjun (6) = Abhilash (7) = Razik (1) Ascending Sort: \\ Array (6) = Abhilash (4) = Amjyad (5) = Arjun (1) = Bhramman (0) = Nihal (3) = Nithin (7) = Razik (2) = Shaad (1) Descending Sort: \\ Array (2) = Shaad (7) = Razik (3) = Nithin (0) = Nihal (1) = Bhramman (5) = Arjun (4) = Amjyad (6) = Abhilash (6) = Abhi
```

**AIM:**Build a PHP code to store name of Indian Cricket players in an array and display the same in HTML table.

**<u>DESIGN</u>**: DESIGN an HTML page to enter name of Indian Cricket players in an array and display the same in HTML table after bringing it to a PHP page.

```
Player.
          <html>
html
         <body>
         <form action="q4.php" method="post">
         <textarea name="players" rows="10"
         cols="50">Sachin, Ganguly, Kapil, Srishanth, Pietersen </textarea><br/>br>
          <input type="submit">
         </form>
         </body>
         </html>
q4.php
         <?php
         $names = $ POST['players'];
         $players = explode(",",$names);
         echo "";
         echo "Players";
         for($i=0;$i<count($players);$i++)
            echo "".$players[$i]."";
         echo "";
         ?>
```

**RESULT:** The program was successfully executed and obtained the output

# **OUTPUT:**

Sachin,Ganguly,Kapil,Srishanth,Piet	ersen
	,
Submit	

Players
Sachin
Ganguly
Kapil
Srishanth
Pietersen

#### **CODEIGNITER**

CodeIgniter is a simple, elegant and powerful toolkit with a very small footprint, used by those developers who want to create full-featured Web Applications. CodeIgniter is an Open Source PHP Framework. It has a very rich set of functionality, which will increase the speed of website development work. As there are various sources through which websites can be developed, but Codeigniter is preferred over the others.

#### **CodeIgniter Architecture:**

The working of Codeigniter Application is mentioned in a simple flowchart given below, which will help you understand the entire process effortlessly in easy steps. Each and every step in the flow chart is explained in elaboration and point wise for your easy grasping.

As shown in the Flow chart, whenever a request comes to CodeIgniter, it will first go to index.php page.

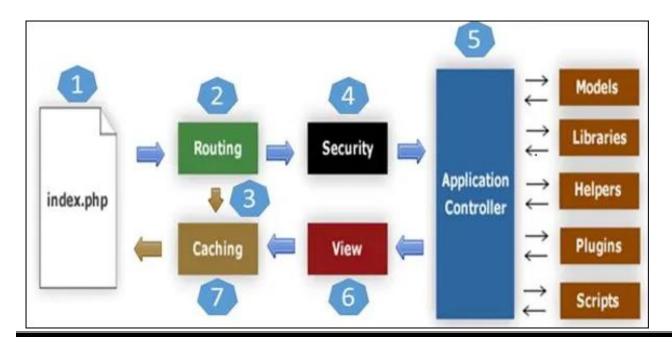
In the second step, Routing decides whether to pass the request to step 3 for Caching or to pass the request to step 4 for Security check.

If the requested page is already in Caching, then Routing will sanction the request to step 3 and the response will go back to the user.

In case the request page does not exist in the Caching, then Routing, will sanction the requested page to step 4 for Security checks.

Before passing the request to Application Controller, the Security of the submitted data is checked. After the Security check is done, the Application Controller loads all the necessary Models, Libraries, Helpers, Plugins and Scripts and pass it onto View.

The View will provide the page with available data and pass that on for Caching, to process this page quickly for future requests.



**AIM:** Develop Web applications using HTML and PHP and deploy.

**<u>DESIGN</u>**: Create a HTML form for generating a bill. Create a MySQL Database with table , 'electricity' using the schema given below. Create a PHP insert page to connect to database and to insert the data from the HTML form. On successful DB insertion, generate a bill using the inputted data.

dbConnection.ph	php</th	
p	\$con = NULL;	
	\$servername = "localhost";	
	\$username = "root";	
	\$password = "";	
	\$database = "sample";	
	<pre>\$con = mysqli_connect(\$servername,\$username,\$password,\$database);</pre>	
	if(!\$con){	
	die('Mysql connection error : '.mysqli_connect_error());	
	}	
	?>	
index.php	<html></html>	
	<body></body>	
	<h1>Electricity Billing Form</h1>	
	<form action="insert.php" method="post"></form>	
	Name: <input name="name" type="text"/>	
	Units Consumed : <input name="units" type="number"/>	
	Rate(Rs.): <input name="rate" type="number"/>	
	<input type="submit"/>	

```
</body>
                  </html>
insert.php
                 <?php
                 require 'dbConnection.php';
                  ne = \POST['name'];
                  $units = $_POST['units'];
                  rate = POST['rate'];
                  $query = "INSERT INTO electricity(name, units, rate) VALUES
                  ("".$name."","".$units."","".$rate."")";
                 if(mysqli_query($con,$query))
                  {
                    echo "<script>alert('Successfully uploaded data !')</script>";
                    echo "-----";
                    echo "<h3>Kerala State Electricity Board (KSEB)</h3>";
                    echo "<br>>";
                    echo "Consumer name: ".$name."<br>";
                    echo "Units Consumed: ".$units."<br/>;
                    echo "Rate per unit : Rs.".$rate."<br>>;
                    echo "<h4>Total : Rs.".($rate*$units)."</h4><br>";
                    echo "-----":
                  }
                 else
                  {
                    echo "<script>alert(".mysqli_error($con).")</script>";
                 mysqli_close($con);
                  ?>
electricity.sql
                 -- phpMyAdmin SQL Dump
                  -- version 5.0.2
```

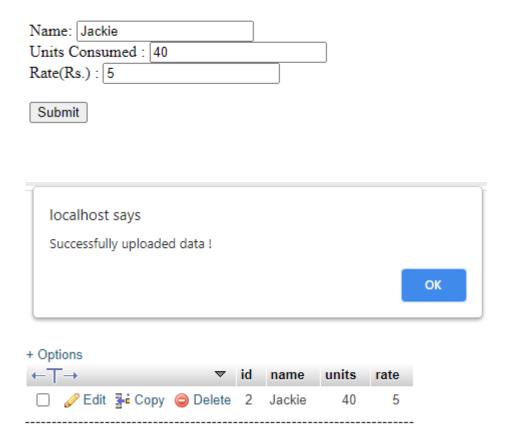
```
-- https://www.phpmyadmin.net/
-- Host: 127.0.0.1:3306
-- Generation Time: Mar 21, 2021 at 06:56 AM
-- Server version: 5.7.31
-- PHP Version: 7.3.21
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
START TRANSACTION;
SET time_zone = "+00:00";
/*!40101 SET
@OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT
*/;
/*!40101 SET
@OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESU
LTS */;
/*!40101 SET
@OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTIO
N */;
/*!40101 SET NAMES utf8mb4 */;
-- Database: `sample`
```

```
-- Table structure for table `electricity`
DROP TABLE IF EXISTS 'electricity';
CREATE TABLE IF NOT EXISTS `electricity` (
'id' int(11) NOT NULL AUTO_INCREMENT,
`name` varchar(300) NOT NULL,
`units` int(20) NOT NULL,
`rate` int(20) NOT NULL,
PRIMARY KEY ('id')
) ENGINE=MyISAM AUTO_INCREMENT=2 DEFAULT
CHARSET=latin1;
COMMIT;
/*!40101 SET
CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET
CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS
*/;
/*!40101 SET
COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

**RESULT:** The program was successfully executed and obtained the output

#### **OUTPUT:**

# **Electricity Billing Form**



# Kerala State Electricity Board (KSEB)

Consumer name : Jackie Units Consumed : 40 Rate per unit : Rs.5

Total: Rs.200

-----

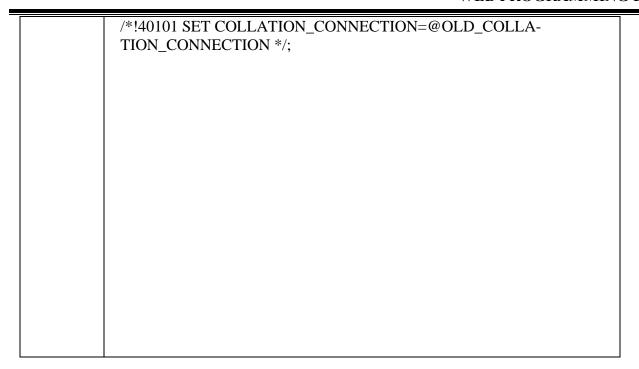
**AIM:** Using PHP and MySQL, develop a program to accept book information viz. Accession number, title, authors, edition and publisher from a web page and store the information in a database and to search for a book with the title specified by the user and to display the search results with proper headings.

**<u>DESIGN</u>**: Create a PHP page which is capable of displaying db data in a neat table form as well required fields to insert data to the db. It is advicable to use a seperate dbConnection file to handle multiple db connections.

```
index.ph
          <?php
          require 'dbConnection.php';
p
          if (isset($ GET['search'])) {
            $filter = $_GET['search'];
            if($filter=="")
              $query = "select * from books";
            else
              $query = "select * from books WHERE title="".$filter."";
          else{
            $query = "select * from books";
          $result = mysqli_query($con,$query);
          echo "<h1>Book List</h1>";
          echo "";
          echo "<form action='index.php' method='get'>";
          echo "";
          echo "";
          echo "Search using title :";
          echo "<input type='text' name='search' required='required'>";
          echo "<input type='submit' value='Search' style='width:100%'>";
          echo "";
          echo "</form>";
          echo "Accession NumberTitleAu-
          thorsEditionPublisher";
          if(mysqli_num_rows($result) > 0)
            while($row = mysqli_fetch_assoc($result))
              echo "".$row["access_number"]."".$row["ti-
          tle"]."".$row["authors"]."".$row["edi-
          tion"]."".$row["publisher"]."";
            }
```

```
echo "<form action='insert.php' method='post'>";
           echo "<input type='text' name='access_number' required='re-
           quired'>";
           echo "<input type='text' name='title' required='required'>";
           echo "<input type='text' name='authors' required='required'>";
           echo "<input type='text' name='edition' required='required'>";
           echo "<input type='text' name='publisher' required='required'>";
           echo"";
           echo "<input
           type='submit' value='ADD' style='width:100%'>";
           echo "</form>";
           echo "":
           mysqli_close($con);
           ?>
insert.ph
           <?php
           require 'dbConnection.php';
p
           $access_number = $_POST["access_number"];
           $title = $_POST["title"];
           $authors = $ POST["authors"];
           $edition = $ POST["edition"];
           $publisher = $_POST["publisher"];
           $query = "INSERT INTO books (access number, title, authors, edition,
           publisher) VALUES ("".$access_number."', "".$title."', "".$authors."', "".$edi-
           tion."',"".$publisher."')";
           if(mysqli_query($con,$query))
             echo "<script>alert('Successfully added new row !')</script>";
             header("Location: index.php");
           }
           else
             echo "<script>alert(".mysqli_error($con).")</script>";
             header("Location: index.php");
           mysqli_close($con);
```

```
-- phpMyAdmin SQL Dump
sample.p
          -- version 5.0.2
hp
          -- https://www.phpmyadmin.net/
          -- Host: 127.0.0.1:3306
          -- Generation Time: Mar 14, 2021 at 02:08 PM
          -- Server version: 5.7.31
          -- PHP Version: 7.3.21
          SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
          START TRANSACTION:
          SET time zone = "+00:00";
          /*!40101 SET @OLD CHARACTER SET CLIENT=@@CHARAC-
          TER_SET_CLIENT */;
          /*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARAC-
          TER SET RESULTS */;
          /*!40101 SET @OLD COLLATION CONNECTION=@@COLLA-
          TION_CONNECTION */;
          /*!40101 SET NAMES utf8mb4 */;
          -- Database: `sample`
          -- Table structure for table `books`
          DROP TABLE IF EXISTS 'books';
          CREATE TABLE IF NOT EXISTS 'books' (
           `access number` varchar(50) NOT NULL,
           `title` varchar(300) NOT NULL,
           `authors` varchar(300) NOT NULL,
           'edition' varchar(300) NOT NULL,
           'publisher' varchar(300) NOT NULL,
           PRIMARY KEY (`access_number`)
          ) ENGINE=InnoDB DEFAULT CHARSET=latin1;
          COMMIT;
          /*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARAC-
          TER_SET_CLIENT */;
          /*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARAC-
          TER SET RESULTS */;
```



**RESULT:** The program was successfully executed and obtained the output

# **OUTPUT:**

# **Book List**

	Search using title :			Search
Accession Number	Title	Authors	Edition	Publisher
CP101	Rust	Rahul Nath H.A	1	PAICO
CP203	Android using Kotlin	Keith	1	Wiley
ME708	Advanced Cryogenics	Swaminathan	5	TA
				ADD

# **Book List**

	Search using title :		Rust	Search
Accession Number	Title	Authors	Edition	Publisher
CP101	Rust	Rahul Nath H.A	1	PAICO
				ADD

<u>AIM:</u> Develop a registration form using any PHP framework (Laravel, CodeIgniter, Symfony, CakePHP etc.)

**DESIGN:** Download the lastest CodeIgniter 3 Framework instance from the official website. (https://codeigniter.com/download). Run the program on a WAMP/XAMPP/LAMP server to see if the project is set up properly. Create a new Controller, Model & View for developing the registration form. Make necessary changes in database config file in the codeIgnitor project. Use the schema in users.sql to setup the MySQL Database (DB name : sample). Refer. https://www.phptpoint.com/create-registration-form-codeigniter/

```
application/
                   <?php
controllers/
                   class Hello extends CI_Controller
Hello.php
                         public function __construct()
                         //call CodeIgniter's default Constructor
                         parent::__construct();
                         //load database libray manually
                         $this->load->database();
                         //load Model
                         $this->load->model('Hello_Model');
                         }
                         public function savedata()
                                //load registration view form
```

```
$this->load->view('registration');
                                    //Check submit button
                                    if($this->input->post('save'))
                                    {
                                    //get form's data and store in local variable
                                    $n=$this->input->post('name');
                                    $e=$this->input->post('email');
                                    $m=$this->input->post('mobile');
                       //call saverecords method of Hello_Model and pass variables as parameter
                                    $this->Hello_Model->saverecords($n,$e,$m);
                                    echo "Records Saved Successfully";
                                    }
                             }
                       }
                       ?>
application/
                       <?php
controllers/
                       class Hello_Model extends CI_Model
Hello_Model.php
                       {
                             function saverecords($name,$email,$mobile)
                             $query="insert into users values(",'$name','$email','$mobile')";
                             $this->db->query($query);
                             }
                       }
                       ?>
application/ views/
                       <!DOCTYPE html>
registration.php
```

```
<html>
<head>
<title>Registration form</title>
</head>
<body>
   <form method="post">
       cellpadding="5">
Enter Your Name 
 <input type="text" name="name"/>
Enter Your Email 
 <input type="text" name="email"/>
Enter Your Mobile 
 <input type="text" name="mobile"/>
<input type="submit" name="save"
value="Save Data"/>
</form>
</body>
</html>
```

```
application/ views/
                       <?php
welcome_message.
                      defined('BASEPATH') OR exit('No direct script access allowed');
php
                       ?><!DOCTYPE html>
                       <html lang="en">
                       <head>
                            <meta charset="utf-8">
                            <title>Welcome to CodeIgniter</title>
                            <style type="text/css">
                            ::selection { background-color: #E13300; color: white; }
                            ::-moz-selection { background-color: #E13300; color: white; }
                            body {
                                   background-color: #fff;
                                   margin: 40px;
                                   font: 13px/20px normal Helvetica, Arial, sans-serif;
                                   color: #4F5155;
                             }
                            a {
                                   color: #003399;
                                   background-color: transparent;
                                   font-weight: normal;
                             }
                            h1 {
                                   color: #444;
```

```
background-color: transparent;
            border-bottom: 1px solid #D0D0D0;
            font-size: 19px;
            font-weight: normal;
            margin: 0 0 14px 0;
            padding: 14px 15px 10px 15px;
      }
     code {
            font-family: Consolas, Monaco, Courier New, Courier,
monospace;
            font-size: 12px;
            background-color: #f9f9f9;
            border: 1px solid #D0D0D0;
            color: #002166;
            display: block;
            margin: 14px 0 14px 0;
            padding: 12px 10px 12px 10px;
      }
     #body {
            margin: 0 15px 0 15px;
      }
     p.footer {
            text-align: right;
            font-size: 11px;
            border-top: 1px solid #D0D0D0;
            line-height: 32px;
```

```
padding: 0 10px 0 10px;
            margin: 20px 0 0 0;
     }
     #container {
            margin: 10px;
            border: 1px solid #D0D0D0;
            box-shadow: 0 0 8px #D0D0D0;
     </style>
</head>
<body>
<div id="container">
     <h1>Welcome to CodeIgniter!</h1>
     <div id="body">
            The page you are looking at is being generated
dynamically by CodeIgniter.
            If you would like to edit this page you'll find it located
at:
            <code>application/views/welcome_message.php</code>
            The corresponding controller for this page is found
at:
            <code>application/controllers/Welcome.php</code>
```

```
If you are exploring CodeIgniter for the very first time,
                      you should start by reading the <a href="user_guide/">User
                      Guide</a>.
                           </div>
                           Page rendered in
                      <strong>{elapsed_time}</strong> seconds. <?php echo
                      (ENVIRONMENT === 'development')? 'CodeIgniter Version <strong>'.
                      CI_VERSION . '</strong>' : " ?>
                      </div>
                      href="http://localhost/Web_Programming_TKM/CO5/q3/index.php/Hello/
                      savedata"> Go to Registration Form </a>
                      </body>
                      </html>
application/ config/
                      <?php
database.php
                      defined('BASEPATH') OR exit('No direct script access allowed');
                      $active_group = 'default';
                      $query_builder = TRUE;
                      $db['default'] = array(
                           'dsn' => ",
                           'hostname' => 'localhost',
                           'username' => 'root',
                           'password' => ",
                           'database' => 'sample',
                           'dbdriver' => 'mysqli',
                           'dbprefix' => ",
```

```
'pconnect' => FALSE,
                           'db_debug' => (ENVIRONMENT !== 'production'),
                           'cache_on' => FALSE,
                           'cachedir' => ",
                           'char_set' => 'utf8',
                           'dbcollat' => 'utf8_general_ci',
                           'swap_pre' => ",
                           'encrypt' => FALSE,
                           'compress' => FALSE,
                           'stricton' => FALSE,
                           'failover' => array(),
                           'save_queries' => TRUE
                     );
users.sql
                      -- phpMyAdmin SQL Dump
                      -- version 5.0.2
                      -- https://www.phpmyadmin.net/
                      -- Host: 127.0.0.1:3306
                      -- Generation Time: Mar 21, 2021 at 06:01 AM
                      -- Server version: 5.7.31
                      -- PHP Version: 7.3.21
                      SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
                      START TRANSACTION;
                      SET time_zone = "+00:00";
```

```
/*!40101 SET
@OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIE
NT */;
/*!40101 SET
@OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RES
ULTS */;
/*!40101 SET
@OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTI
ON */;
/*!40101 SET NAMES utf8mb4 */;
-- Database: `sample`
-- Table structure for table `users`
DROP TABLE IF EXISTS `users`;
CREATE TABLE IF NOT EXISTS `users` (
 `user_id` int(11) NOT NULL AUTO_INCREMENT,
 `name` varchar(100) NOT NULL,
 'email' varchar(50) NOT NULL,
`mobile` varchar(20) NOT NULL,
PRIMARY KEY (`user_id`)
) ENGINE=MyISAM AUTO_INCREMENT=2 DEFAULT
CHARSET=latin1;
COMMIT;
```

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULT S */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;

**RESULT:** The program was successfully executed and obtained the output.

Enter Your Email Enter Your Mobile		
Enter Your Name		
to to Registration Form		
		Page rendered in 0.0073 seconds. Codelgniter Version 3.1.
If you are exploring Codelgniter for the very first time, you should	start by reading the <u>User Guide</u> .	
application/controllers/Welcome.php		
The corresponding controller for this page is found at:		
application/views/welcome_message.php		
The page you are looking at is being generated dynamically by Co If you would like to edit this page you'll find it located at:	delgniter.	



#### Records Saved Successfully



#### + Options

