

20MCA133 WEB PROGRAMMING LAB

Lab Report Submitted By

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Reg. No.: AJC21MCA-2085

In Partial fulfillment for the Award of the Degree Of

MASTER OF COMPUTER APPLICATIONS (2 Year)
(MCA)

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY



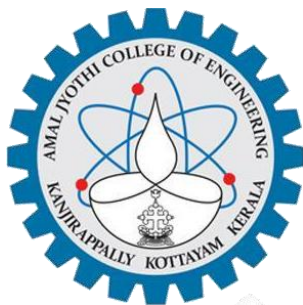
AMAL JYOTHI COLLEGE OF ENGINEERING
KANJIRAPPALLY

[Affiliated to APJ Abdul Kalam Technological University, Kerala. Approved by AICTE, Accredited by NAAC with 'A' grade. Koovapally, Kanjirappally, Kottayam, Kerala – 686518]

2021-2022

DEPARTMENT OF COMPUTER APPLICATIONS

AMAL JYOTHI COLLEGE OF ENGINEERING KANJIRAPPALLY



CERTIFICATE

This is to certify that the lab report, “**20MCA133 WEB PROGRAMMING LAB**” is the bonafide work of **RESHMA KS (AJC21MCA-2085)** in partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications under APJ Abdul Kalam Technological University during the year 2021-22.

Ms. Sruthimol Kurian
Staff In-Charge

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Program no: 1

Aim: Model a simple HTML file to demonstrate the use of different tags.

Source Code:

```
<html>
<head>
<title>Demonstrate Different Tags</title>
</head>
<body>
<h1>This is 1st level heading</h1>
<h2>This is 2nd level heading</h2>
<h3>This is 3rd level heading</h3>
<h4>This is 4th level heading</h4>
<h5>This is 5th level heading</h5>
<h6>This is 6th level heading</h6>
<p>This is a normal paragraph.
<strong>The HyperText Markup Language</strong>, or <u>HTML</u> is the
<mark>markup language</mark> for documents designed to be displayed in a <b>web
browser</b>. It can be assisted by technologies such as <i>Cascading Style Sheets</i> and
scripting languages such as <em>JavaScript</em>.
</p>
<hr>
<h3>An Unordered HTML List</h3>
<ul type="circle"> <!--type="circle/disc/square"-->
<li>Coffee</li>
<li>Tea</li>
<li>Milk</li>
</ul>
<h3>An Ordered HTML List</h3>
<ol type="1"> <!--type="i/I/a/A/1"-->
<li>Coffee</li>
<li>Tea</li>
<li>Milk</li>
</ol>
<hr>
<h3>Links in HTML</h3>
Home Page: <a href="/testinglink.html">External Page Linking</a>, Mail Id:
<a href="mailto:samplemail@gmail.com">mailto@edu.com</a><br>
<hr>
<h3>Table in HTML</h3>
<table border="1">
<tr>
<th>Sl No</th>
<th>Name</th>
<th>Place</th>
</tr>
<tr>
<td>001</td>
<td>Name 01</td>
<td>Kerala</td>
</tr>
</table>
```

```

<tr>
<td>002</td>
<td>Name 02</td>
<td>Tamil Nadu</td>
</tr>
</table>
<hr> <h3>Form in HTML</h3>
<form>
Enter your name: <input type="text" name="txt1"><br><br>
Enter your Email Id: <input type="mail" name="mail1"><br><br>
Enter your Phone Number: <input type="number" name="mnum"><br><br>
Enter your DOB: <input type="date" name="dob"><br><br>
Describe : <textarea name="txtarea"></textarea><br><br>
<fieldset>
<legend>Check those that apply</legend>
<input type="radio" name="radio" value="1"> Radio button
<input type="radio" name="radio" value="2" checked> Radio button 2
(initially checked)<br>
<input type="checkbox" name="checkbox"> Checkbox 1
<input type="checkbox" name="checkbox2" checked> Checkbox 2 (initially checked)
</fieldset>
</form> <br>
<hr><h3>Text-level markup</h3>
<br>
1. Here we have some <strike>strikethrough</strike> text<br>
2. Here we have some <sup>superscript</sup> text <br>
3. Here we have some <sub>superscript</sub> text <br>
4. Here we have some <big>big</big> text <br>
5. Here we have some <small>small</small> text <br>
6. <font style = "color:red">Red Colored Text</font><br>
<hr>
</body>
</html>

```

Output:

This is 1st level heading

This is 2nd level heading

This is 3rd level heading

This is 4th level heading

This is 4th level heading

This is 4th level heading

This is 4th level heading

This is a normal paragraph. The HyperText Markup Language, or **HTML**, is the **markup language** for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets and scripting languages such as JavaScript.

An Unordered HTML List

- Coffee
- Tea
- Milk

1

An Ordered HTML List

1. Coffee
2. Tea
3. Milk

Links in HTML

Home Page: [External Page Linkage](#), Mail Id: mailto@edu.com

Table in HTML

Sl No	Name	Place
001	Name 01	Kerala
002	Name 02	Tamil Nadu

Form in HTML

2

Enter your name:

Enter your Email Id:

Enter your Phone Number:

Enter your DOB:

Describe:

Check those that apply:

☐ Radio button ☒ Radio button 2 (initially checked)

☐ Checkbox 1 ☒ Checkbox 2 (initially checked)

Program no: 2

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

Source Code:**Index.html**

```

<html>
<head><title>WEBSITE</title>
</head>
<body>
<a name="Top"></a>

<h1><u><center>Master of Computer Applications</center></u> </h1>
<p align="center"><b>Master of Computer Applications</b> or <b>MCA</b> is a
professional degree in computer science.
MCA is a two year long professional post-graduate degree course for students who deeply
want to learn computer application development.
The MCA course is a combination of both theoretical and practical knowledge.</p>
<hr><br>
<center>
<a href="table.html">Course Curriculum for MCA</a>
<a href="#Ques1">What is MCA</a>
<a href="#Ques2">Career Opportunities</a>
</center> <br><hr>

<div>
5<h2>Eligibility Criteria for MCA</h2>
<p>According to AICTE, to pursue an MCA course candidates must have pursued
<b>BCA/ BSc/ BCom/ BA </b>degree with Mathematics as one of the subjects at 10+2
level or at graduation.<br>
Minimum marks required: 50% to 60% (a CGPA above 6/10 is considered good) in
Bachelor's; 55% and above in Class 12th. Class 10th marks do not matter in most
cases.</p>
<hr>
<a name="Ques1"></a>
<mark><b>Q. What is MCA or Master of Computer Application?</b><br></mark>
<p>A. Master of Computer Applications or MCA is a professional degree in computer
science. MCA is a two year long professional post-graduate degree course for students who
deeply want to learn computer application development. The MCA course is a combination
of
both theoretical and practical knowledge. With an MCA degree, students can learn different
tools meant to develop better and faster computer applications and software</p><br><br>
<mark><b>Q. What career opportunities are associated with MCA?</b><br></mark>

<a name="Ques2"></a>
<p>A. MCA course will give students an understanding about how to develop better
computer
applications and software. There are a lot of career opportunities associated with MCA, and

```

students may have great employment options in top IT firms, MNCs and top consultancy firms.

Candidate with high computer skills are in high demand in the IT sector. And MCA graduates will also have many opportunities associated with the government sector. Candidates can crack

interviews and get the desired profiles as per their skills and caliber. Candidates can get jobs in

areas such as banking, networking, IT companies, desktop publishing, and more. Candidates can

work on live projects, entry level programmer and maintaining software/application.

Candidate

seeking options in the teaching profession with an MCA degree is also an option. Candidates can

apply for the post of a lecturer in reputed colleges/universities.</p>

<h3>Click Here to TOP</h3>

</body>

</html>

Table.html

<html>

<title>table</title>

<body>

<center>

<table border="2">

<tr>

<th rowspan=8>Semester 1</th>

</tr>

<tr><td>Mathematical FoundationFor Computing</td>

<tr><td>Digital Fundamentals & Computer Architecture</td></tr>

<tr><td>Advanced Data Structure</td></tr>

<tr><td>Advanced Software Engineering</td></tr>

<tr><td>Python Lab</td></tr>

<tr><td>Web Programming Lab</td></tr>

<tr><td>Data Structure Lab</td></tr>

</tr>

</table></center>

</body>

</html>

Output:**Master of Computer Applications**

Master of Computer Applications or MCA is a professional degree in computer science. MCA is a two year long professional post-graduate degree course for students who deeply want to learn computer application development. The MCA course is a combination of both theoretical and practical knowledge.

[Course Curriculum for MCA](#) [What is MCA](#) [Career Opportunities](#)

**Eligibility Criteria for MCA**

According to AICTE, to pursue an MCA course candidates must have pursued BCA/ BSc/ BCom/ BA degree with Mathematics as one of the subjects at 10+2 level or at graduation. Minimum marks required: 50% to 60% (a CGPA above 6/10 is considered good) in Bachelor's; 55% and above in Class 12th. Class 10th marks do not matter in most cases.

Q. What is MCA or Master of Computer Application?

A. Master of Computer Applications or MCA is a professional degree in computer science. MCA is a two year long professional post-graduate degree course for students who deeply want to learn computer application development. The MCA course is a combination of both theoretical and practical knowledge. With an MCA degree, students can learn different tools meant to develop better and faster computer applications and software.

Q. What career opportunities are associated with MCA?

A. MCA course will give students an understanding about how to develop better computer applications and software. There are a lot of career opportunities associated with MCA, and students may have great employment options in top IT firms, MNCs and top consultancy firms. Candidates with high computer skills are in high demand in the IT sector. And MCA graduates will also have many opportunities associated with the government sector. Candidates can crack interviews and get the desired profiles as per their skills and caliber. Candidates can get jobs in areas such as banking, networking, IT companies, desktop publishing, and more. Candidates can work on live projects, entry level programmer and maintaining software application. Candidates seeking options in the teaching profession with an MCA degree is also an option. Candidates can apply for the post of a lecturer in reputed colleges/universities.

[Click Here to TOP](#)

Table.html

Semester I	Mathematical FoundationFor Computing
	Digital Fundamentals & Computer Architecture
	Advanced Data Structure
	Advanced Software Engineering
	Python Lab
	Web Programming Lab
	Data Structure Lab

Program no: 3

Aim: Create a HTML page with different types of frames such as floating frame, navigation frame & mixed frame.

Source Code:**Index.html**

```
<html>
<body>
<h2>Different Type of Frames in HTML</h2> <br>
1. Navigation Frame :: <a href="navigation_frame.html" target="two">Click
Here</a><br><br>
2. Floating Frame :: <a href="floating_frame.html" target="two">Click Here</a><br><br>
3. Mixed Frame ::<a href="mixed_frame.html" target="two">Click Here</a><br><br>
</body>
</html>
```

Mixed_frame.html

```
<html>
<head>
<title>Mixed Frames</title>
</head>
<frameset cols = "33.33%,33.33%,33.33%">
<frame name = "top" src = "http://www.kvvscst.org">
<frame name = "main" src = "http://www.santhigiricollege.com">
10
<frameset rows = "50%,50%">
<frame name = "top" src = "https://www.nsscrky.ac.in/" />
<frame name = "main" src = "https://gectcr.ac.in/" />
</frameset>
<noframes>
<body>Your browser does not support frames.</body>
</noframes>
</frameset>
</html>
```

Floating_frame.html

```
<html>
<body>
<center>
<h2>Floating Frame</h2><br>
<iframe src="https://saps.ac.in" width="800px" height="500px"></iframe>
</center>
</body>
</html>
```

NavigationFrame/navi_body.html

```
<html>
<body bgcolor = "#9abbed">
<h3>This is main page and content from any link will be displayed here.</h3>
<p>So now click any link and see the result.</p>
</body>
</html>
```

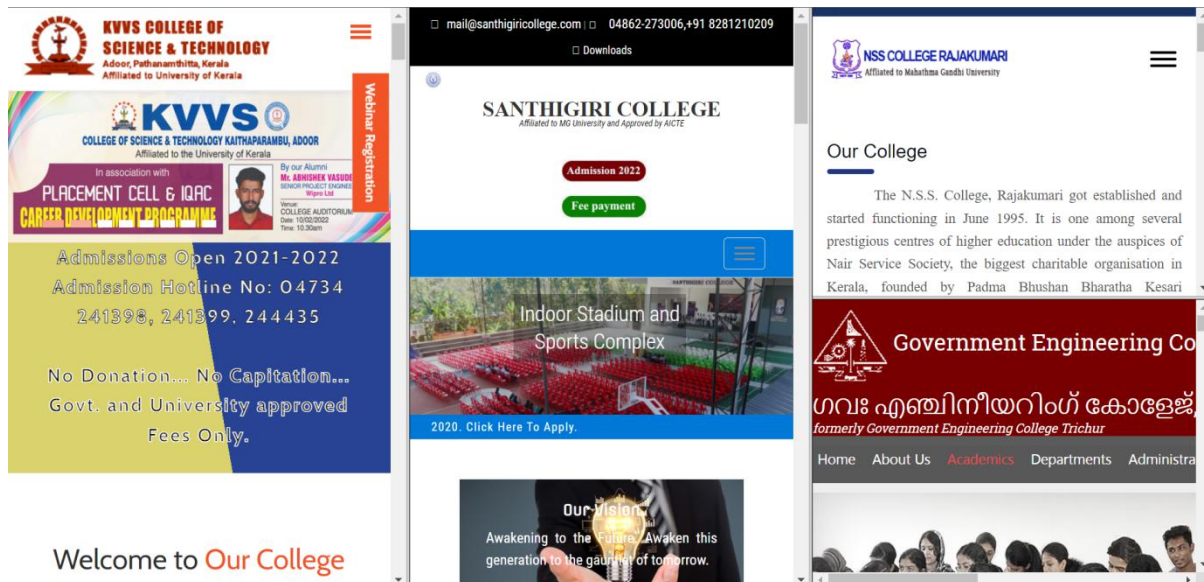
NavigationFrame/navi_menu.html

```
<html>
<body bgcolor = "#dcf1f7">
<h3 style="color:#4f90c2">MENU</h3><br>
<a href = "https://en.wikipedia.org/wiki/HTML" target = "main_page">What is HTML?</a>
<br />
<br />
<a href = "https://en.wikipedia.org/wiki/JavaScript" target = "main_page">What is
JavaScript?</a>
<br />
<br />
<a href = "https://en.wikipedia.org/wiki/CSS" target = "main_page">What is CSS?</a>
</body>
</html>
```

NavigationFrame/navigation_frame.html

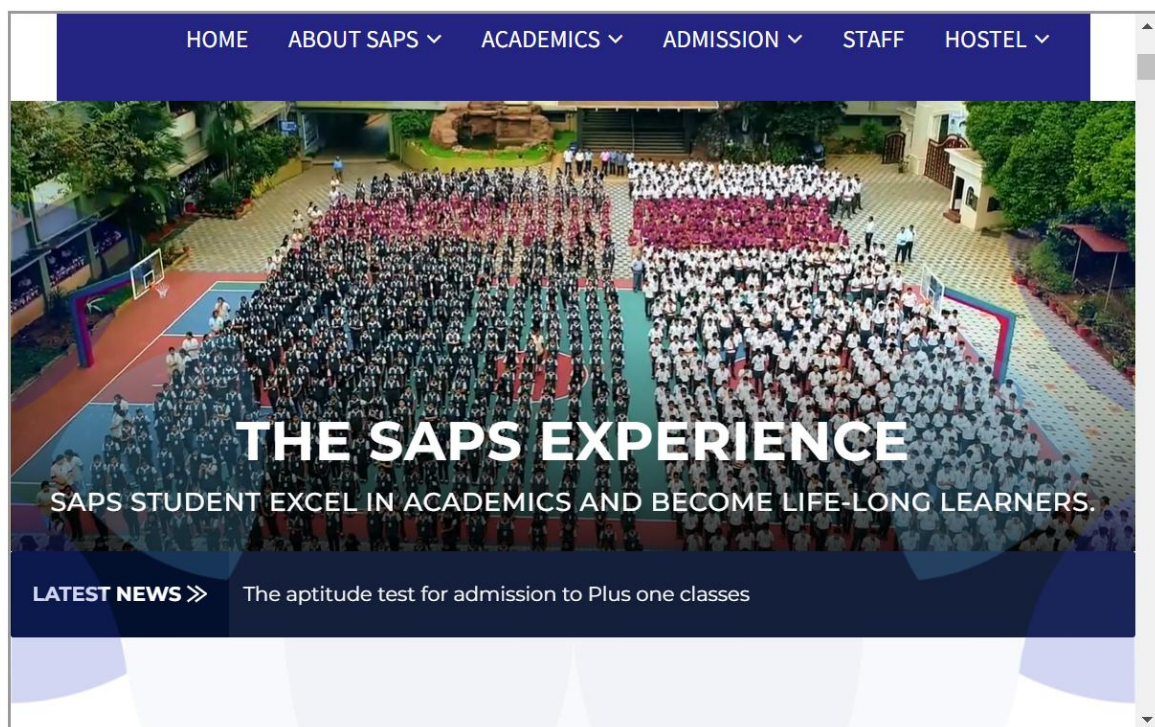
```
<html>
<head>
<title>HTML Target Frames</title>
</head>
<frameset cols = "200, *">
<frame src = "navi_menu.html" name = "menu_page" />
<frame src = "navi_body.html" name = "main_page" />
<noframes>
<body>Your browser does not support frames.</body>
</noframes>
</frameset>
</html>
```

Output: Mixed_Frame.html



Floating_Frame.html


Floating Frame



Navigation Frame.html

MENU

[What is HTML?](#)
[What is JavaScript?](#)
[What is CSS?](#)



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Contributions
Create account
Log in

Article
Talk

Read
View source
View history

HTML

From Wikipedia, the free encyclopedia

*"[htm](#)" and "[.html](#)" redirect here. For other uses, see [HTML](#).
For the use of HTML on Wikipedia, see [Help:HTML in wikitext](#).*


The **HyperText Markup Language**, or **HTML** is the standard [markup language](#) for documents designed to be displayed in a [web browser](#). It can be assisted by technologies such as [Cascading Style Sheets](#) (CSS) and [scripting languages](#) such as [JavaScript](#).

Web browsers receive HTML documents from a [web server](#) or from local storage and [render](#) the documents into multimedia web pages. HTML describes the structure of a [web page](#) [semantically](#) and originally included cues for the appearance of the document.

HTML [elements](#) are the building blocks of HTML pages. With HTML constructs, [images](#) and other objects such as [interactive forms](#) may be embedded into the rendered page. HTML provides a means to create [structured documents](#) by denoting structural [semantics](#) for text such as headings, paragraphs, lists, [links](#), quotes and other items. HTML elements are delineated by [tags](#), written using [angle brackets](#). Tags such as `` and `<input />` directly introduce content into the page. Other tags such as `<p>`

HTML

(HyperText Markup Language)



The official logo of the latest version, HTML5^[1]

Filename extension	.html .htm
Internet media type	text/html
Type code	TEXT
Uniform Type Identifier (UTI)	public.html
Developed by	WHATWG

Program no: 4

Aim: Analyze CSS by applying the different styles using inline, external & internal style sheets in a HTML file.

Source Code:**Style.html**

```
<html>
<head>
<title>Css-External-Internal</title>
<link rel="stylesheet" href="style.css">
<style>
#internal{color: #5F9EA0;}
</style>
</head>
<body>
<h1 style="color:#A52A2A;">This is styled using inline CSS.</h1>
<h1 id="internal">This is styled using internal CSS.</h1>
<h1 id="external">This is styled using external CSS.</h1>
</body>
</html>
```

Style.css

```
#external{
Color:purple;
}
```

Output:

This is styled using inline CSS.

This is styled using internal CSS.

This is styled using external CSS.

Program no: 5

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

Source Code:

```
<html>
<body>
<label>Enter a string:</label><input type="text" name="str" id="str1"><br>
<br><label>enter number</label>
<input type="text" name="text1" id="idno1">
<br><br><label>enter power</label>
<input type="text" name="text2" id="idno2">
<script language="javascript" type="text/javascript">
function add()
{var a,b,c,n,m,i,s,sl,sli;
s=(document.getElementById("str1").value);
sl=s.length;
sli=s.slice(5,11);
a=(document.getElementById("idno1").value);
b=(document.getElementById("idno2").value);
c=Math.pow(a,b);
n=Math.sqrt(a);
m=Math.ceil(a);
i=Math.floor(a);
(document.getElementById("strlen").value)=sl;
(document.getElementById("strsli").value)=sli;
(document.getElementById("ans").value)=c;
(document.getElementById("sqr").value)=n;
(document.getElementById("ceil").value)=m;
(document.getElementById("floor").value)=i;
}
</script>
<br><br><button onclick="add()">Get Result</button><br><br><label>Length of the
String :</label><input type="text" id="strlen"><br><br>
```

```
<label>Slice String :</label><input type="text" id="strsli"><br><br>
<label><b><u>Power of a number</u></b></label><br><input type="text" id="ans">
<br><br><label><u><b>Squareroot of the number</b></u></label><br>
<input type="text" id="sqr">
<br><br><label><u><b>Ceil of the number</b></u></label><br>
<input type="text" id="ceil">
<br><br><label><u><b>floor of the number</b></u></label><br>
<input type="text" id="floor">
</body>
</html>
```

Output:Enter a string: enter number enter power Length of the String : Slice String : **Power of a number****Squareroot of the number****Ceil of the number****floor of the number**

Program no: 6

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

Source Code:

```
<html>

<body>

YEAR : <input type="text" id="year_get"><br>
MONTH : <input type="text" id="month_get"><br>
<input type="button" id="subtn" value="Display Calender" onclick="generate()" ><br>
<div id="content"> </div>

</body>

<script>

    function generate()
    {
        var init_content = "<table BORDER=1
id='calender'><tr><th>Sun</th><th>Mon</th><th>Tue</th><th>Wed</th><th>Thu</th>
<th>Fri</th><th>Sat</th></tr><tr>"

        var year_get = document.getElementById("year_get").value;
        var month_get = document.getElementById("month_get").value;
        month_get -=1;
        var date = new Date(year_get,month_get);
        var day = date.getDay();
        for (var i = 0; i < day; i++)
        {
            init_content += "<td></td>";
        }
        while (date.getMonth() == month_get)
        {
            init_content += "<td>" + date.getDate() + "</td>";
            if (date.getDay() == 6)
            {
                init_content += "</tr><tr>";
            }
            date.setDate(date.getDate() + 1);
        }
    }
}
```

```
}  
    init_content += "</table>"  
    document.getElementById("content").innerHTML = init_content;  
}  
</script>  
</html>
```

Output:

YEAR :

MONTH :

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Program no:7

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

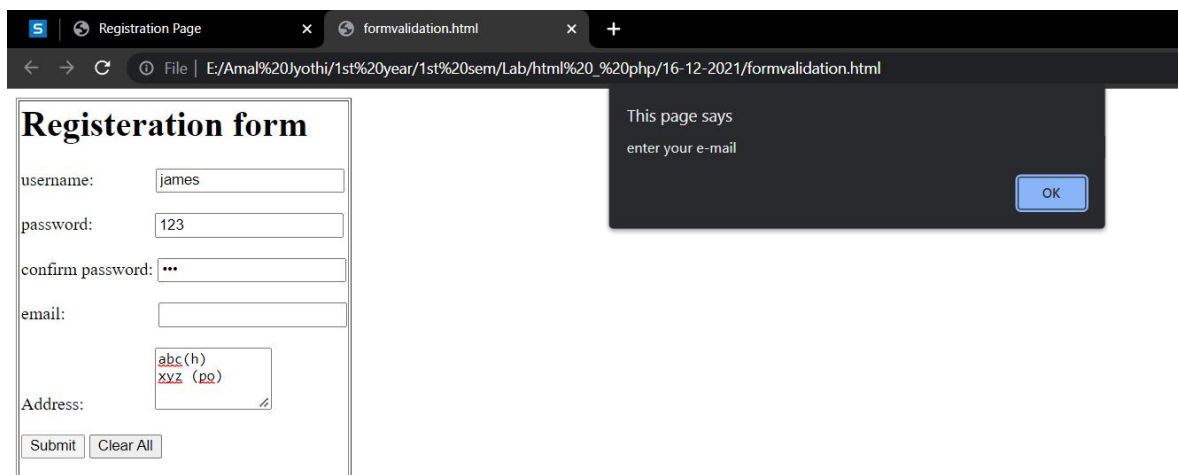
Source Code:

```
<html>
<head>
<script type="text/javascript">
function validation(inputText)
{
if(document.getElementById("t1").value == "")
alert("enter your name");
else if(document.getElementById("t2").value == "")
alert("enter a password");
else if(document.getElementById("t2").value != document.getElementById("t3").value)
alert(" enter correct password");
else if(document.getElementById("t4").value == "")
alert("enter your e-mail");
else if(document.getElementById("t5").value == "")
alert("enter your address");
else
alert("Form has been submitted");
}
</script>
</head>
<body>
<table border = "1">
<tr>
<td>
<h1>Registration form</h1>
<form name="form">
username:<input type="text" id="t1"><br><br>
password:<input type="text" id="t2"><br><br>

confirm password:&nbsp;<input type="password" id="t3"><br><br>
```

```
email: <input type="text" id="t4"><br><br>
Address:<textarea rows="2" cols="10" id="t5"></textarea><br><br>
<input type="button" value="Submit" onclick="validation(document.form.t5.value)">
<input type="reset" value="Clear All">
</form>
</td>
</tr>
</table>
</body>
</html>
```

Output:



Program no: 8

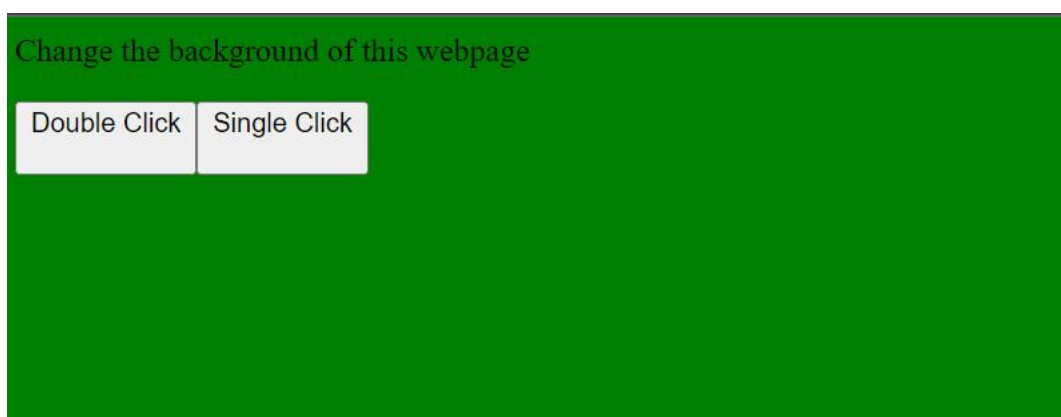
Aim: Evaluating JavaScript Event Handling for every click of a button to change the background color of a HTML page.

Source Code:

```
<!DOCTYPE HTML>
<HTML>
<HEAD>
<SCRIPT>
function bgchange1(){
document.body.style.background = "green";
}
function bgchange2(){
document.body.style.background = "red";
}
</SCRIPT>
</HEAD>
<BODY>
<P>Change the background of this webpage</P>
<BUTTON id="dblclick" onclick="bgchange1()">Double Click</BUTTTON><BR/>
<BR/>
<BUTTON id="click"onclick="bgchange2()">Single Click</BUTTTON><BR/> <BR/>
</BODY>
</HTML>
```

Output:

Change the background of this webpage



Change the background of this webpage

Double Click

Single Click

Program no: 9

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.

Source Code:

```
<html >
<body>
<div class="a" id="a">
<br><br>
<h1 id="text1">Welcome....</h1>
<h1 id="text2">Hello....</h1>
</div>
<script>
document.getElementById("a").addEventListener("mouseover",ab);
document.getElementById("a").addEventListener("mouseout",bc);
function ab() {
document.getElementById('image').src = "aj1.jpg";
document.getElementById('text1').style.display="none";
document.getElementById('text2').style.display="block"
}
function bc() {
document.getElementById('image').src = "aj2.jpg";
document.getElementById('text1').style.display="block";
document.getElementById('text2').style.display="none";
}
</script>
</body></html>
```

Output:

Welcome....



Hello.....

Program no: 10

Aim: Create a HTML page to show online exam using JavaScript.

Source Code:

```
<html>
<head>
<script>
var i=0;
function exam()
{
if(document.f1.n1[0].checked)
i=i+1;
if(document.f1.n2[1].checked)
i=i+1;
if(document.f1.n3[2].checked)
i=i+1;
if(document.f1.n4[1].checked)
i=i+1;
if(document.f1.n5[0].checked)
i=i+1;
alert("Your score is"+i+"/5");
}
</script>
</head>
<body>
<form name="f1">
<h1><u> basic maths exam</u></h1>
<h2>5 X 5</h2>
<input type="radio" id="numb" name="n1" value="25">25
<input type="radio" id="numb" name="n1" value="10">10
<input type="radio" id="numb" name="n1" value="15">15
<h2>10 / 2</h2>
<input type="radio" id="numb1" name="n2" value="7">7
```



```

<input type="radio" id="numb1" name="n2" value="5">5

<input type="radio" id="numb1" name="n2" value="2">2
<h2>5 + 5</h2>

<input type="radio" id="numb2" name="n3" value="15">15
<input type="radio" id="numb2" name="n3" value="5">5
<input type="radio" id="numb2" name="n3" value="10">10
<h2>10 - 5</h2>

<input type="radio" id="numb3" name="n4" value="7">7
<input type="radio" id="numb3" name="n4" value="5">5
<input type="radio" id="numb3" name="n4" value="2">2
<h2>10 % 3</h2>

<input type="radio" id="numb4" name="n5" value="1">1
<input type="radio" id="numb4" name="n5" value="3">3
<input type="radio" id="numb4" name="n5" value="2">2
<br><br><input type="submit" value="submit" onclick="exam()">
</body>
</html>

```

Output:

basic maths exam

5 X 5

☐ 25 ☐ 10 ☐ 15

10 / 2

☐ 7 ☐ 5 ☐ 2

5 + 5

☐ 15 ☐ 5 ☐ 10

10 - 5

☐ 7 ☐ 5 ☐ 2

10 % 3

☐ 1 ☐ 3 ☐ 2

Program no: 11

Aim: Develop a PHP program to connect to a database and retrieve data from a table and show the details in a neat format.

Source Code:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>Vehicle</title>
</head>
<body>
<center>
<form method = "post">
<table style="margin-top: 100px;">
<tr>
<td><label>Name</label></td>
<td><input type="text" name="name"></td>
</tr>
<tr>
<td><label>Address</label></td>
<td><input type="text" name="address"></td>
</tr>
<tr>
<td><label>Contact</label></td>
<td><input type="text" name="contact"></td>
</tr>
<tr>
<td><label>Model</label></td>
<td><input type="text" name="model"></td>
</tr>
<tr>
<td><label>Price</label></td>
<td><input type="text" name="price"></td>
</tr>
</table>
<button name="save">Save</button>
</form>
</center>
</body>
</html><?php
$db = mysqli_connect("localhost","root","","db_labexam");
if(isset($_POST['save'])){
$name = $_POST['name'];
$address = $_POST['address'];
$contact = $_POST['contact'];
```

```

$model = $_POST['model'];
$price = $_POST['price'];
$query = "INSERT into
tbl_vehicle(name,address,contact,model,price)VALUES('$name','$address','$contact',
'$model','$price')";
$ins = mysqli_query($db, $query);
if($ins){
echo "<script Type='text/javascript'>alert('Success')</script>";
echo
"<script>window.location.href='http://localhost/vehicledetails.php';</script>";
}
else{
echo "<script Type='text/javascript'>alert('Fail')</script>";
}
}
?>

```

Display details in Table - Code

```

<?php
$db = mysqli_connect("localhost","root","","db_labexam");
$query = "SELECT * from tbl_vehicle";
$result = mysqli_query($db,$query);
?>
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title></title>
<style>
table,td,th{border: 1px solid black;
border-collapse: collapse;
padding: 20px;
}
</style>
</head>
<body>
<center>
<h2 style="margin-top: 20px;">Vehicle Details</h2>
<table style="width:70%">
<?php
while ($res = mysqli_fetch_assoc($result)) { ?>
<tr>
<td><?php echo $res['name'] ?></td>
<td><?php echo $res['address'] ?></td>
<td><?php echo $res['contact'] ?></td>
<td><?php echo $res['model'] ?></td>
<td><?php echo $res['price'] ?></td>
</tr>
<?php } ?>
</table>

```













</center>

</body>

</html>

Output:**Database - tbl_vehicle**

Options

					id	name	address	contact	model	price		
<input type="checkbox"/>		Edit		Copy		Delete	1	Maruti	Chackalayil	9074807454	Celerio VXi	6.05L
<input type="checkbox"/>		Edit		Copy		Delete	5	Skoda	Chackalayil	9526124241	Kodiaq	45L
<input type="checkbox"/>		Edit		Copy		Delete	6	Honda	Chackalayil	9201347850	Jazz	8L
<input type="checkbox"/>		Edit		Copy		Delete	7	Mini	Chackalayil	9847635672	Cooper S	48L

Vehicle Details

Maruti	Chackalayil	9074807454	Celerio VXi	6.05L
Skoda	Chackalayil	9526124241	Kodiaq	45L
Honda	Chackalayil	9201347850	Jazz	8L
Mini	Chackalayil	9847635672	Cooper S	48L

Program no: 12

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

Source Code:

```
<html>
<body>
    <h1>Registration form</h1>
    <form action = "" method = "POST">
        Username : <input type="text" name="username"><br> <br>
        Email : <input type="text" name="email"><br> <br>
        Password : <input type="text" name="pass"><br> <br>
        Confirm password : <input type="text" name="cpass"><br> <br>
        <input type="submit" value="Register">
    <?php
        if (empty($_POST['username']) ||
            empty($_POST['pass']) ||
            empty($_POST['email']) ||
            empty($_POST['cpass']))
        {
            die("Please fill all required fields!");
        }
        if ($_POST['pass'] != $_POST['cpass'])
        {
            die ('Password and confirm password should match');
        }
        else
        {
            die("successfull");
        }
    ?>
    </form>
</body>
</html>
```

Output:

Registration form

Username :

Email :

Password :

Confirm password :

Password and confirm password should match

Program no: 13

Aim: Compose Electricity bill from user input based on a given tariff using PHP.

Source Code:

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Electricity Bill</title>
</head>
<body>
<center>
    <form method="POST">
    <table style="width:20px; margin-top: 100px;">
        <tr>
            <td><label>Name</label></td>
            <td><input type="text" name="name"></td>
        </tr>
        <tr>
            <td><label>House Name</label></td>
            <td><input type="text" name="houasename"></td>
        </tr>
        <tr>
            <td><label>Place</label></td>
            <td><select name="place" style="width:20px;">
                <option value="Thodupuzha">Thodupuzha</option>
                <option value="Kalayanthani">Kalayanthani</option>
                <option value="Karinkunnam">Karinkunnam</option>
            </select></td>
        </tr>
        <tr>
            <td><label>Unit</label></td>
            <td><input type="text" name="unit"></td>
        </tr>
    </table>
    <button name="calculate">Calculate</button>
</form>
</center>
<table style="margin-left: 30%;border: 1px solid black;">
    <tr>
        <th>Name</th>
        <th>House Name</th>
        <th>Place</th>
        <th>Unit</th>
        <th>Amount</th>
    </tr>
</table>
<?php
$db = mysqli_connect("localhost","root","","db_labexam");
if(isset($_POST['calculate'])) {
```

```
$name = $_POST['name'];
$housename = $_POST['housename'];
$place = $_POST['place'];
$unit = $_POST['unit'];
if($unit < 100){
    $bill = $unit * 5;
}
else if($unit>100 && $unit<200){
    $bill = $unit * 7;
}
else{
    $bill = $unit * 9;
}

$query1 = "INSERT into
tbl_electricity(name,housename,place,unit)VALUES('$name','$housename','$place',$unit);";
$result1 = mysqli_query($db,$query1);

$query2 = "SELECT * FROM tbl_electricity where name = '$name'";
$result2 = mysqli_query($db,$query2);
while($res = mysqli_fetch_assoc($result2)){
    ?>
        <tr>
            <td> <?php echo $res['name']?></td>
            <td> <?php echo $res['housename']?></td>
            <td> <?php echo $res['place']?></td>
            <td> <?php echo $res['unit']?></td>
            <td> <?php echo $bill ?></td>
        </tr>
    <?php
}

}
?>
</table>
</body>
</html>
```

Output

Name

House Name

Place

Unit

Name	House Name	Place	Unit	Amount
Reshma	Kochuparambil	Karinkunnam	45	225

Program no: 14

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

Source Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Document</title>
</head>
<body>
<?php
echo "Default Order". "<br>";
$s=array("Don","Adharsh","Vyshnav","Arun","Binoy","Shibli","Afeef");
print_r($s);
asort($s);
echo "<br><br>". "Ascending Order". "<br>";
print_r($s);
arsort($s);
echo "<br><br>". "Decending Order". "<br>";
print_r($s);
?>
</body>
</html>
```

Output:

Default Order

Array ([0] => Don [1] => Adharsh [2] => Vyshnav [3] => Arun [4] => Binoy [5] => Shibli [6] => Afeef)

Ascending Order

Array ([1] => Adharsh [6] => Afeef [3] => Arun [4] => Binoy [0] => Don [5] => Shibli [2] => Vyshnav)

Decending Order

Array ([2] => Vyshnav [5] => Shibli [0] => Don [4] => Binoy [3] => Arun [6] => Afeef [1] => Adharsh)

Program no:15

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

Source Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Document</title></head>
<body>
<?php
$c=array("Kohli","Rohit","Rahul","Pant","Pandya","Bhuvaneshvar","Aswin","
Shami","Jadeja","Bhumrah","Agharwal");
echo "<table border='1' width='90'><tr><th>Cricketers</th></tr>";
foreach($c as $i){
echo "<tr><td>$i</td></tr>";
}
echo "<table>";
?>
</body>
</html>
```

Output:

Cricketers
Kohli
Rohit
Rahul
Pant
Pandya
Bhuvaneshvar
Aswin
Shami
Jadeja
Bhumrah
Agharwal

Program no: 16

Aim: Develop Web application using HTML and PHP and deploy [Micro project].

Source Code:**Login page:**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Login</title>
  <link rel="stylesheet" href="userlogin.css">
  <link
href="https://fonts.googleapis.com/css?family=Raleway:300,400,700&display=swap"
rel="stylesheet">
</head>
<body>
  <main>
    <div class="background">
      <div class="text">
        <h1>ADMIN<br>LOGIN</h1>
      </div>
      <div class="box">
        <form class="form">
          <input type="text" class="admin" placeholder="admin" required>
          <input type="password" class="password" placeholder="Password" required>
          <input type="submit" class="button" value="Login">
        </form>
      </div>
    </div>
  </main>
</body>
</html>
```

Edit service:

```
<?php

include "database.php";

if (isset($_POST['update'])) {

    $slNo = $_POST['slNo'];
    $treatment = $_POST['treatment'];
    $rate = $_POST['rate'];

    $sql = "UPDATE `tbl_treatment` SET
`slNo`='$_POST['slNo']', `treatment`='$_POST['treatment']', `rate`='$_POST['rate']'";

    $result = $con->query($sql);
```

```
        if ($result == TRUE) {

            echo "Record updated successfully.";

        }else{

            echo "Error:" . $sql . "<br>" . $con->error;

        }

    }

    if (isset($_GET['slNo'])) {

        $slNo = $_GET['slNo'];

        $sql = "SELECT * FROM `tbl_treatment` WHERE `slNo`='".$slNo'";

        $result = $con->query($sql);

        if ($result->num_rows > 0) {

            while ($row = $result->fetch_assoc()) {

                $slNo = $_POST['slNo'];
                $treatment = $_POST['treatment'];
                $rate = $_POST['rate'];

            }

        }

    }

    <h2>User Update Form</h2>

    <form action="" method="post">

        <fieldset>

            <legend>treatment information:</legend>

            slNo:<br>

            <input type="number" name="slNo" value="<?php echo $slNo; ?>">

            <br>
            treatment:<br>

            <input type="text" name="treatment" value="<?php echo $treatment; ?>">

            <br>
```

```
rate:<br>

<input type="number" name="rate" value="<?php echo $rate; ?>">

<br>

<input type="submit" value="Update" name="update">

</fieldset>

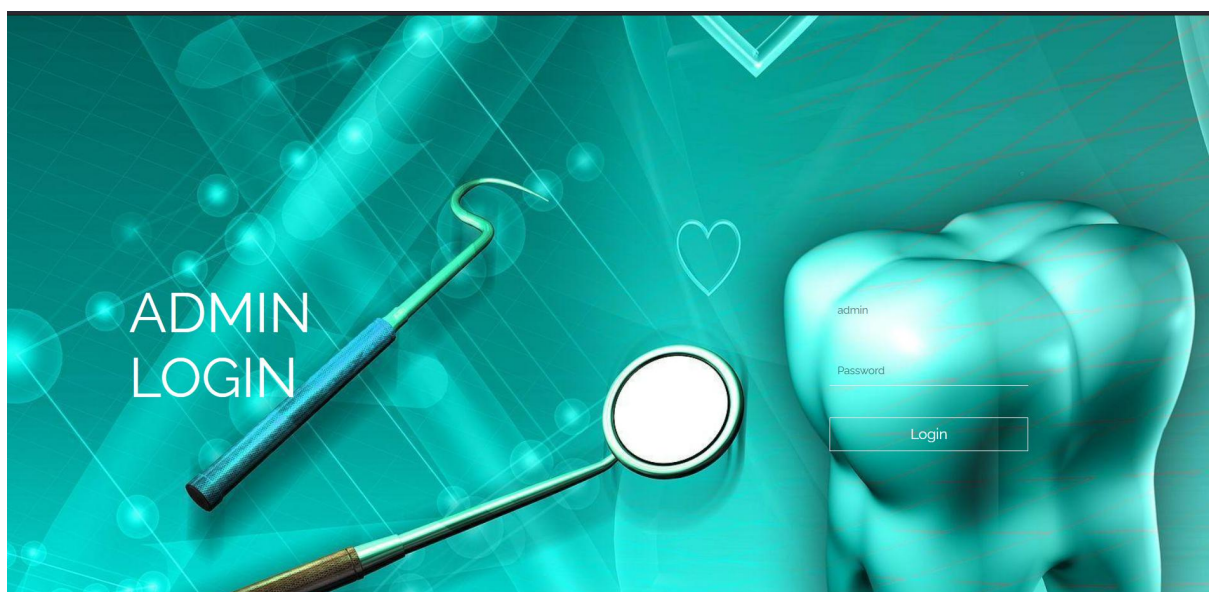
</form>

</body>

</html>

<?php
} else{
    header('Location: view.php');
}
}
?>
```

Login page



Program no: 17

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.

Source Code:

Bookconnect.php

```
<?php
$mysql_host='localhost';
$mysql_user='root';
$mysql_password='';
$conn=mysqli_connect($mysql_host,$mysql_user,$mysql_password);
if(mysqli_select_db($conn,'db_books'))
{echo 'connection successful';
}
else{
echo 'connection failed';
}
?>
```

Bookinsert.php

```
<?php
include "bookconnect.php";
if(isset($_POST['submit']))
{
$no=$_POST['no'];
$title=$_POST['title'];
$author=$_POST['author'];
$edition=$_POST['edition'];
$publisher=$_POST['publisher'];
$sql = "INSERT INTO `books` ( `no`,`title`,`author`,`edition`,`publisher`)
VALUES ( '$no','$title','$author','$edition','$publisher')";
$result=$conn->query($sql);
if($result==TRUE)
{
echo "new record created successfully";
}
else
{
echo "Error".$sql."<br>".$conn->error;
}
$conn->close();
}
?>
<html>
<head>
<title>newcustomer</title>
</head>
<body>
```

```

<form method="POST" action="">
<h1>Register</h1><br>
Accession no<br>
<input type="text" name="no" required><br>
<br>
Title<br>
<input type="text" name="title" required><br>
Author<br>
<input type="text" name="author" required><br>
Edition<br>
<input type="text" name="edition" required><br>
Publisher<br>
<input type="text" name="publisher" required>
<br>
<input type="submit" name="submit" value="register"><br><br><br><br><br>
</form>
</body>
</html>
Searchbook.php
<?php
require "bookconnect.php";
if(isset($_POST['sub']))
{ $bookhead=$_POST['btitle'];
$store = "SELECT * FROM `books` WHERE `title` = '$bookhead'";
$result=$conn->query($store);
if($is_query_run=mysqli_query($conn,$store))
{
while($query_execute=mysqli_fetch_assoc($is_query_run))
{ ?><table
border="1"><tr><th>sino</th><th>title</th><th>author</th><th>edition</th><th>p
ublisher</th></tr>
<tr><td><?php echo $query_execute["no"];?></td>
<td><?php echo $query_execute["title"];?></td>
<td><?php echo $query_execute["author"];?></td>
<td><?php echo $query_execute["edition"];?></td>
<td><?php echo $query_execute["publisher"];?></td></tr></table>
<?php }
} $conn->close();
}
?>
<html>
<head>
<title>book search</title>
</head>
<body><form method="POST" action="">
<label>enter the title</label>
<input type="text" name="btitle">
<input type="submit" name="sub" value="submit">
</form>
</body>
</html>

```

Output:**Register**

Accession no

101

Title

Geethanjali

Author

Tagore

Edition

2000

Publisher

DC books

register

sino	title	author	edition	publisher
101	Geethanjali	Tagore	2000	DC books

enter the title

phpMyAdmin

localhost > db_books > books

Browse Structure SQL Search Insert Export Import Operations

Showing rows 0 - 0 (~1 total) Query took 0.0004 sec

```
SELECT *
FROM `books`
LIMIT 0, 30
```

Profiling [Inline] [Edit] [Explain SQL] [Create PHP Code] [Refresh]

Show: 30 row(s) starting from row # 0 in horizontal mode and repeat headers after 100 cells

+ Options

	id	no	title	author	edition	publisher
<input type="checkbox"/> Edit <input type="button" value="Inline Edit"/> <input type="button" value="Copy"/> <input type="button" value="Delete"/>	2	101	Geethanjali	Tagore	2000	DC books

↑ Check All / Uncheck All With selected:

Show: 30 row(s) starting from row # 0 in horizontal mode and repeat headers after 100 cells