

Linux Debian 8.2 LAMP Installation with Sample Band Calendar using PHP

By Alfred Alva 2015 @ aalva.net

Distro OS = Debian 8.2 no GNOME on oracle virtual Box 4.3 | 32 bit

Apache version 2.4.10 (Debian)

PHP version 5.6.12

MySQL version 5.5.44 using a "username" not root

- Create a simple index page, I'm starting with the link (Gig Calendar) that opens a static calendar page (below) and a popup(below) to add a new play date. There are many ways to add your own tables, names, columns and colors. This is just a starting point. The "add a Gig" file (add.php) needs to be put in a separate folder with a password to keep spammers out. **HAVE FUN!**

The screenshot shows a web page with a red header bar. Below the header, it says "Welcome to ALVANET Website". There is a blue link labeled "Gig Calendar". To the right of the link is a table with the following data:

Date	Venue	Type
2015-12-27	The Tavern	Acoustic
2015-11-20	Blues club	Rock Band
2016-10-07	Turtle	Recording
2016-02-07	Mannies	Jam session
2015-12-22	Mama Mia	Acoustic Gig
2015-09-01	Papas Smurfs	Rock Band
2015-10-01	Boo Booz	Acoustic

Below the table is a link labeled "Add a Gig". To the right of the table is a form with three input fields labeled "Date.....:", "Venue...:", and "Type.....:". Below the form is a button labeled "Enter information".

These are the files you need, you can name them as needed.:

- Index.html or index.php
- Create import table
- Add.php
- Insert.php
- Showgigs.php

_____Sample create table_____

```
CREATE TABLE Calendar2015 (  
id INT NOT NULL AUTO_INCREMENT PRIMARY KEY,  
venue TEXT,  
daydate DATE,  
type TEXT  
);
```

_____ADD.PHP_____

```
<?php  
$host="localhost"; // Host name  
$username="ALFRED"; // Mysql username  
$password="123abc"; // Mysql password  
$db_name="Gigs"; // Database name  
$tbl_name="Calendar2015"; // Table name  
// Connect to server and select database  
mysql_connect("$host", "$username", "$password")or die("cannot connect");  
mysql_select_db("$db_name")or die("cannot select DB");
```

```

$sql="SELECT * FROM $tbl_name";
$result=mysql_query($sql);
?>
<p>
<body bgcolor="#006699" text="orange" topmargin="0" leftmargin="0" marginheight="0"
marginwidth="0">
<TD width=218 rowSpan=2></TD>
<form method="post" action="insert.php">
Date.....:<input type="Text" name="daydate"><br>
Venue...:<input type="Text" name="venue"><br>
Type.....:<input Type="Text" name="type"><br>
<input type="Submit" name="submit" value=" Enter information"></form>
_____end of ADD.PHP_____

```

```

_____Showgigs.PHP_____
<html>
<head>
<script type="text/javascript">
// Popup window code
function newPopup(url) {
    popupWindow = window.open(

        url,'popUpWindow','height=400,width=300,left=10,top=10,resizable=yes,scrollbars=yes,
toolbar=yes,menubar=no,location=no,directories=no,status=yes')
}
</script>
</head>
<body>
<body bgcolor="#000000" text="#000000" link="#ffffff" vlink="#000000">
<?php
$host="localhost"; // Host name
$username="ALFRED"; // Mysql username
$password="123abc"; // Mysql password
$db_name="Gigs"; // Database name
$tbl_name="Calendar2015"; // Table name
// Connect to server and select databse
mysql_connect("$host", "$username", "$password")or die("cannot connect");
mysql_select_db("$db_name")or die("cannot select DB");
$sql="SELECT * FROM $tbl_name";
$result=mysql_query($sql);
// Define $color=1
$color="1";
echo '<table width="600" border="1" align="center" cellpadding="2" cellspacing="0">';
echo "<TABLE BORDER=\\"0\\"\>\n";
echo "<TR
bgcolor=\\"#DFB4A4\\"\><TD><b>Date</TD><TD><b>Venue</TD><TD><b>Type</TD><TR>\n";

```

```

while($rows=mysql_fetch_array($result)){
// If $color==1 table row color = #FFC600
if($color==1){
echo "<tr bgcolor='#8ED6EA'>
<td>".$rows['daydate'].</td><td>".$rows['venue'].<td>".$rows['type'].</td>
</tr>";
// Set $color==2, for switching to other color
$color="2";
}
// When $color not equal 1, use this table row color
else {
echo "<tr bgcolor='#33CCCC'>
<td>".$rows['daydate'].</td><td>".$rows['venue'].<td>".$rows['type'].</td>
</tr>";

// Set $color back to 1
$color="1";
}

}
echo '</table>';
mysql_close();
?>
<h4><a href="JavaScript:newPopup('add.php');">Add a Gig</a></h4>
</body>
</html>
_____end of Showgigs.php_____

```

```

_____insert.php_____
<?php
$conn = mysql_connect('localhost', 'ALFRED', '123abc');
if (!$conn) {
    die('Could not connect: ' . mysql_error());
}
echo 'Connected successfully';
mysql_select_db(Gigs);
?>
<?php
$sql="INSERT INTO Calendar2015 (venue, daydate, type)
VALUES
('$ _POST[venue]', '$ _POST[daydate]', '$ _POST[type]')";

if (!mysql_query($sql,$conn))
{
    die('Error: ' . mysql_error());
}

```

```
echo "1 record added";
```

```
mysql_close($conn)
```

```
?>
```

```
_____end of insert.php_____
```

```
_____commands needed_____
```

Commands include what they look like for this tutorial

Commands needed, not for beginners, you must know what they do.

- CREATE Database Gigs;
- Show databases;
- use Gigs;
- CREATE USER 'ALFRED'@'localhost' IDENTIFIED BY '123abc';
- GRANT [type of permission] ON [database name].[table name] TO '[username]'@'localhost';
- Login as ROOT and give permissions to ALFRED
- GRANT ALL PRIVILEGES ON * . * TO 'ALFRED'@'localhost';
- Login mysql -u ALFRED -p
- Just as you can delete databases with DROP, you can use DROP to delete a user altogether:
- DROP USER 'username'@'localhost';
- **To manually add an entry or delete a bad entry:**

```
INSERT INTO Calendar2015 SET venue = "Mannies", daydate = "2016-02-07 19:00:00", type = "Jam session";  
SELECT * FROM Calendar2015;
```

```
+---+-----+-----+-----+  
| id | venue   | daydate   | type     |  
+---+-----+-----+-----+  
| 1 | The Tavern | 2015-12-27 | Acoustic |  
| 2 | Blues club | 2015-11-20 | Rock Band |  
| 3 | Turtle   | 2016-10-07 | Recording |  
| 4 | Mannies  | 2016-02-07 | Jam session |  
| 5 |         | 0000-00-00 |         | <-----bad entry  
+---+-----+-----+-----+
```

to delete an entry:

Find the id number with:

- DELETE FROM Calendar2015 where id = 5