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**Assignment 1 : Building a Dynamic Contact  
Management System for the Alberta Vacation  
Company**

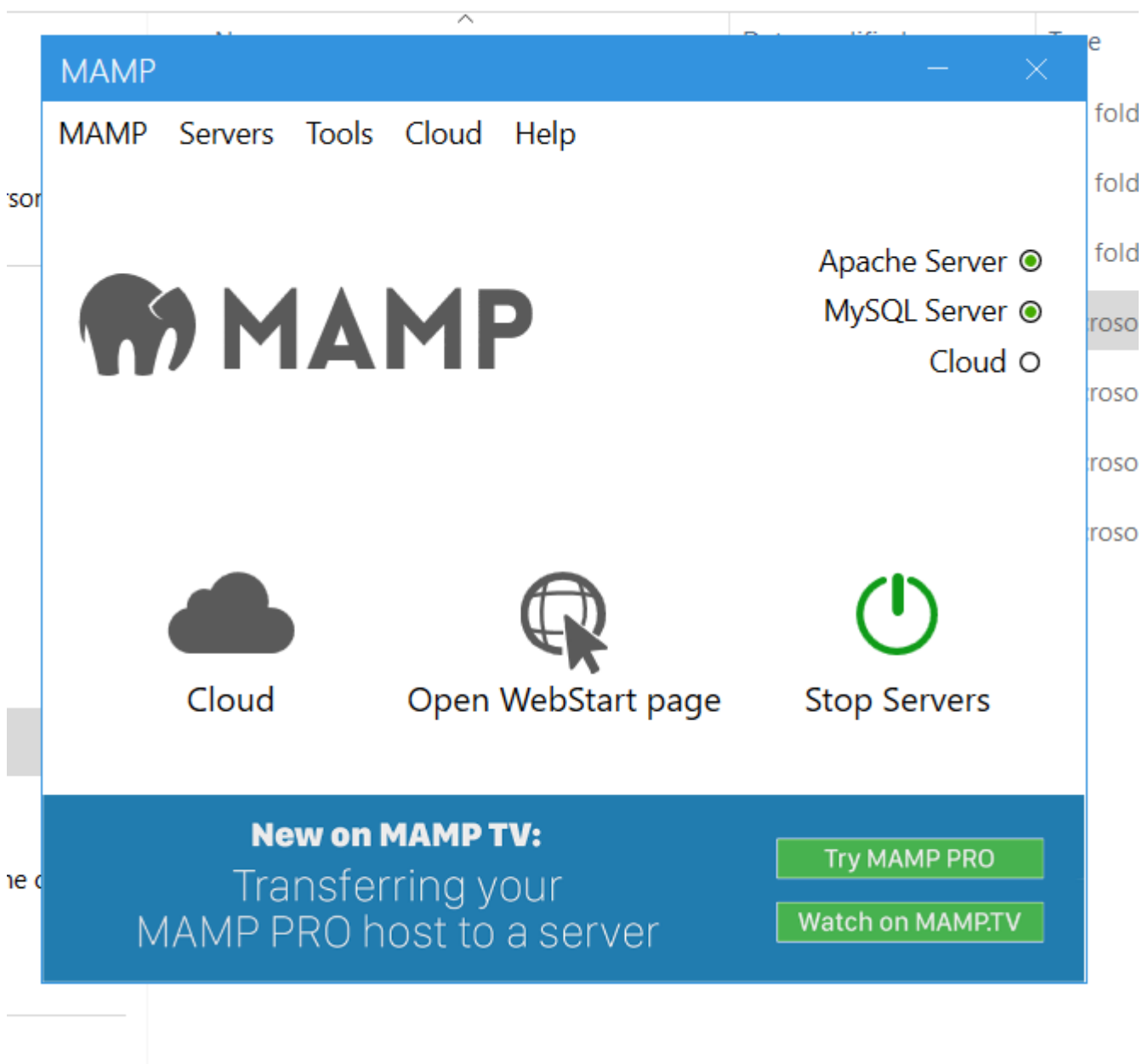
CLCM3403 - Cloud Architecture Design and  
Implementation Planning

## Preparation:

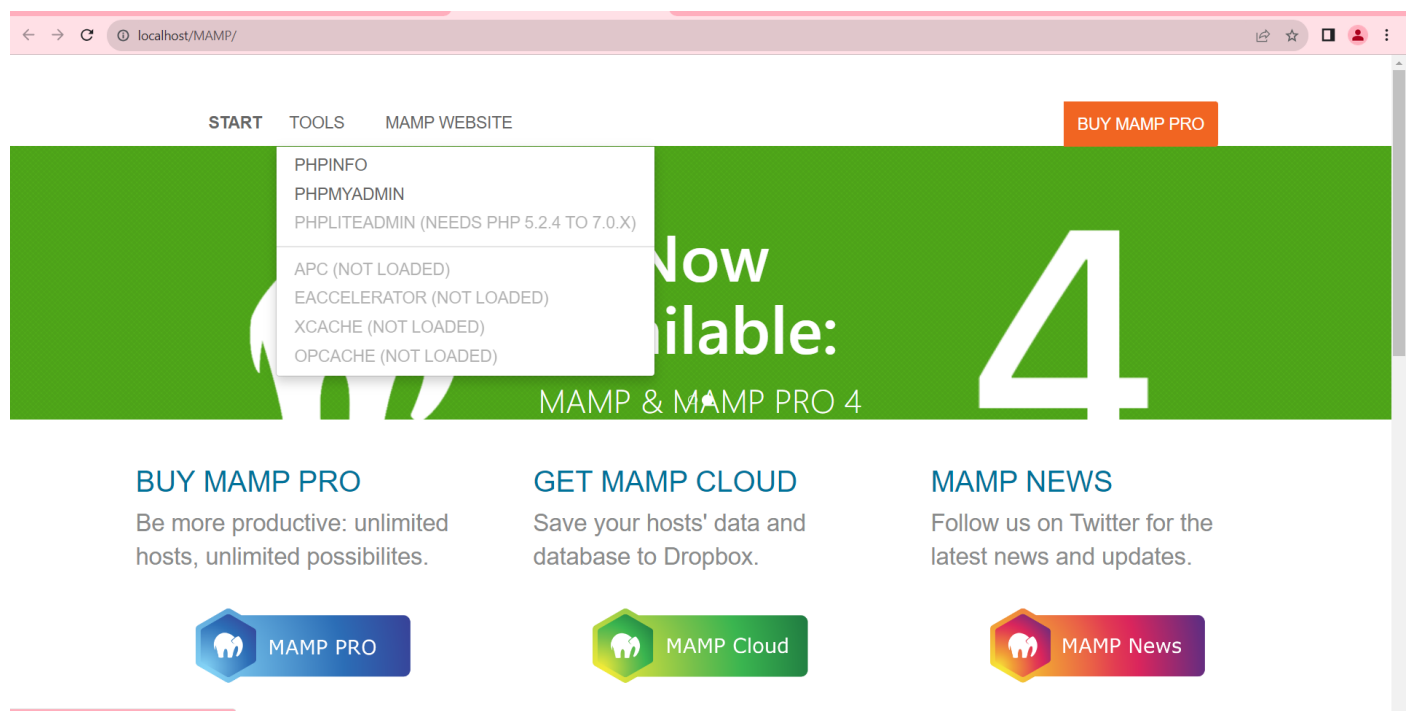
- Launch the MAMP server
- Get some basic knowledge in PHP and SQL Commands.
- Design the Alberta vacation company website

## Creating database and tables:

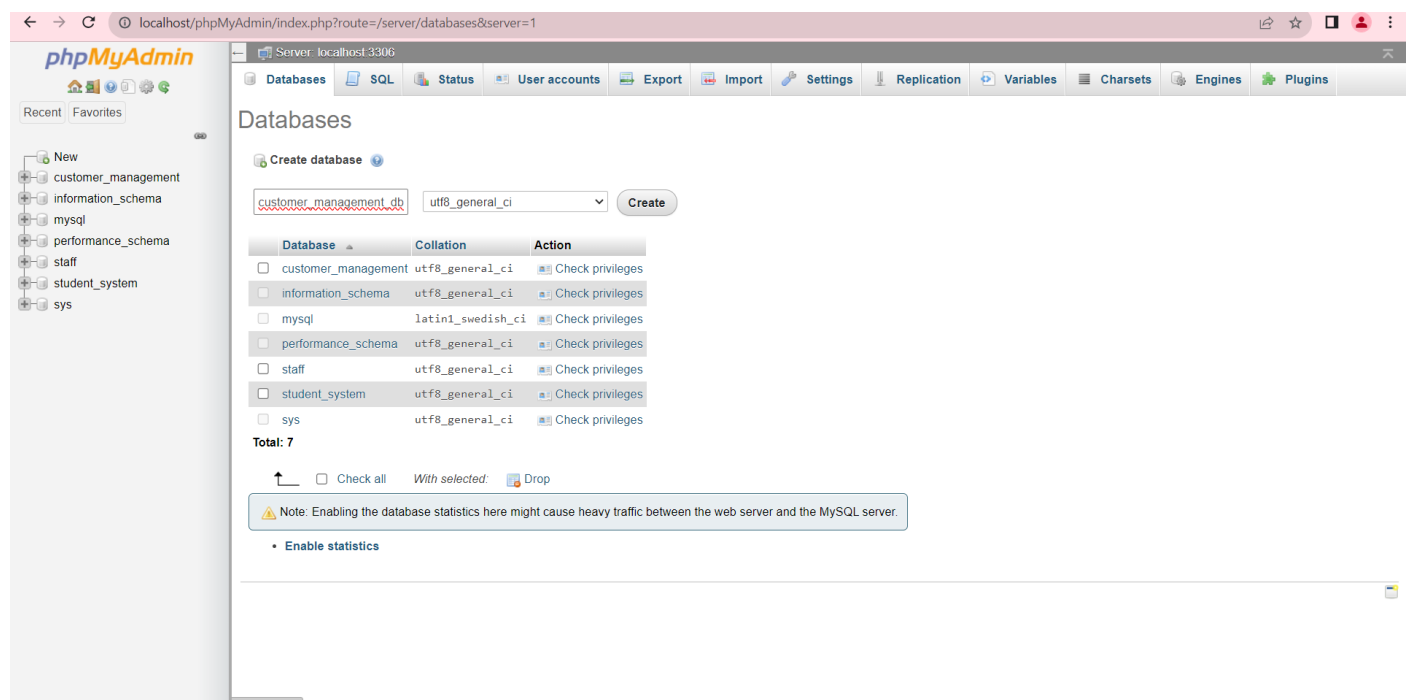
Launch the MAMP server and give open webstart page



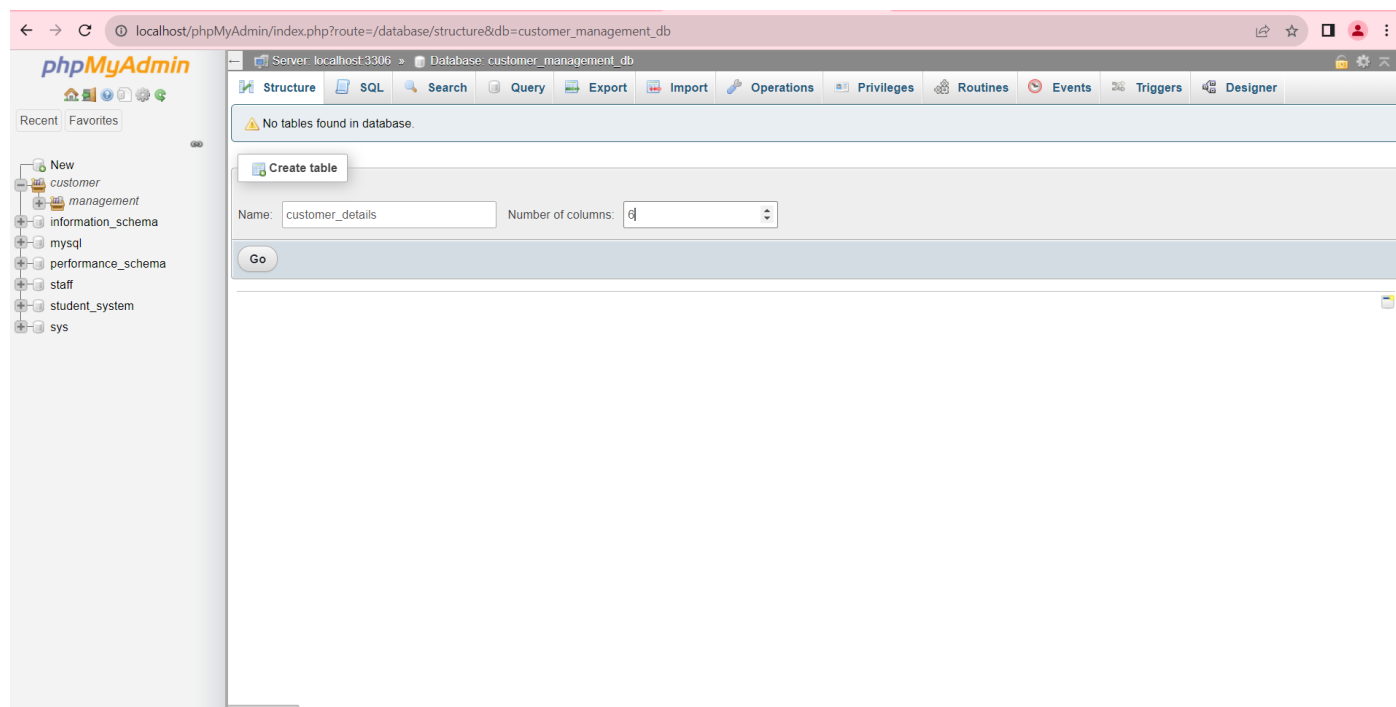
Then in the tools dropdown click phpMyAdmin option to use PHP and SQL.



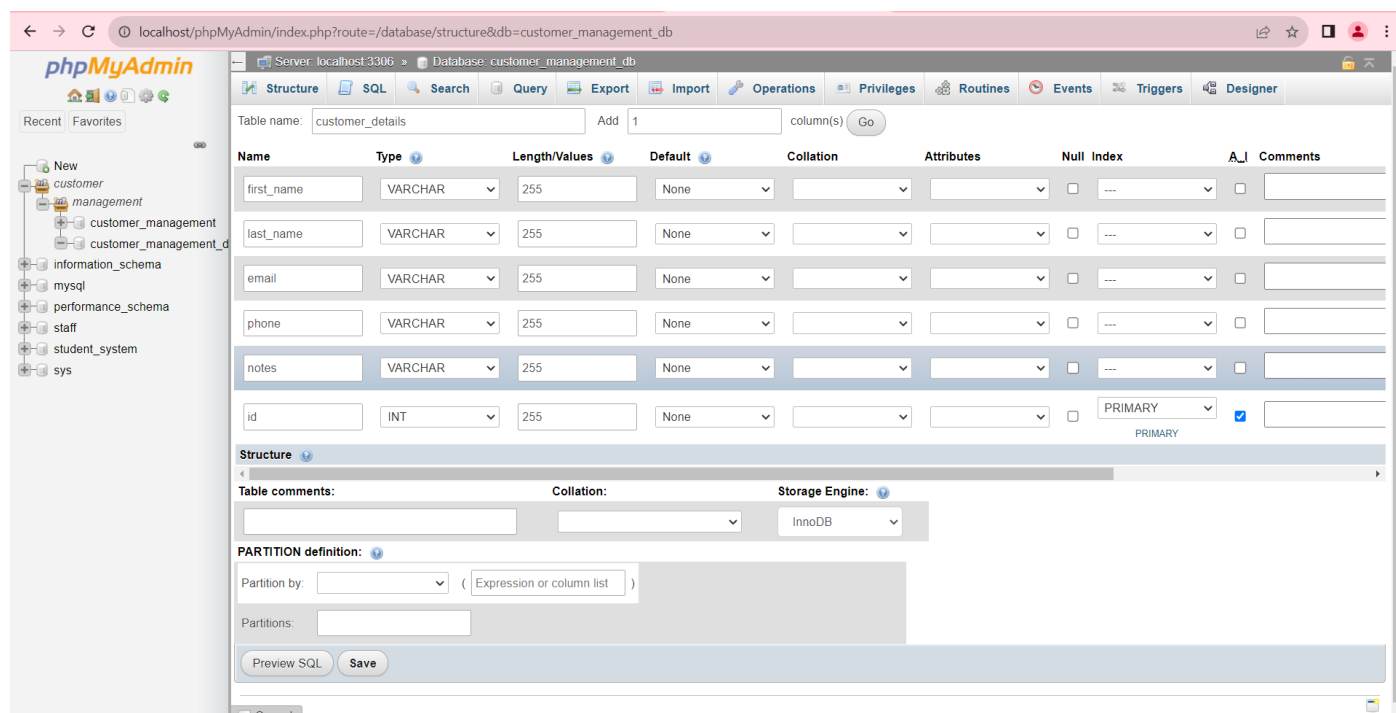
Now we have create a database. Here I have given the database name as “customer\_management\_db”. And click on create button.



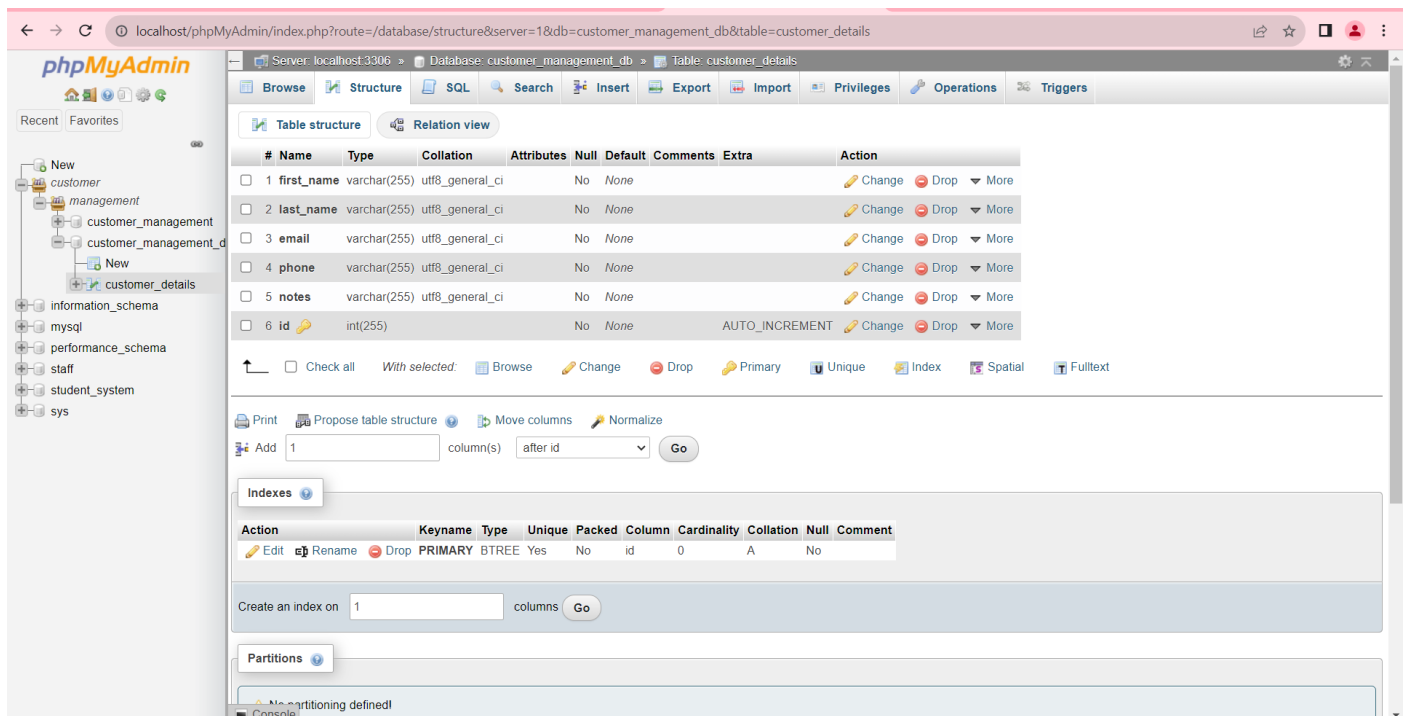
Once you created the database now it's the time to create table inside the database. Here we need to give the number of columns for our table. In my case its 5 and I need id column so 5+1=6.



Now we have to give our column names and their types. Type VARCHAR is for string and INT is for integer. For id we have to check the A\_I checkbox for auto increment. Then click on save button.



We can see the structure of our table once it is created.



Akilavasan

```
<?php

// servername => localhost now rds endpoint
// username => root now your db username
// password => empty now your open password
// database name => Your database name
$conn = mysqli_connect("localhost", "akilaAdminCM", "akilavasan", "customer_management_db");
```

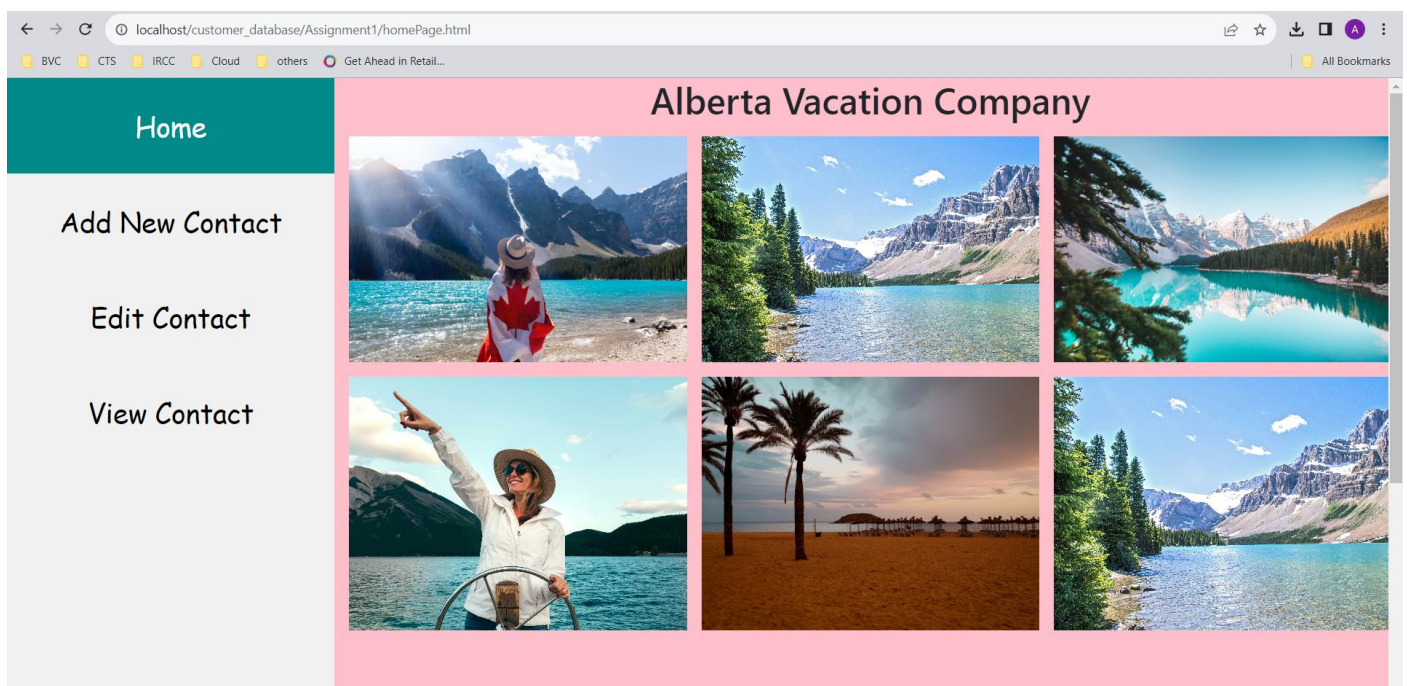
Now to connect the database give the server name, username, password and database name.

Moreover, write the PHP code to create registration form, homepage, edit page and view page.

I have also attached the source code.

## Home page view:

Once we completed the code then run the “localhost” in the web browser. Then navigate to the homepage.html. Here I have given the navigation to other pages as a sideNav and used grid class to the body section.



## Add contacts page:

Add new contact options route you to the registration form where every field is mandatory which is achieved by adding “required” attribute to the input field with save and reset button.

localhost/customer\_database/Assignment1/addContact.html

Back to Home Page

## Registration Form

Please provide your details

First Name:

Last Name:

Email Address:

Phone Number:

Notes:

Save Reset

localhost/customer\_database/Assignment1/homePage.html

Fill out the form with the details

localhost/customer\_database/Assignment1/addContact.html

All Bookmarks

## Registration Form

Please provide your details

First Name:  
John

Last Name:  
Deo

Email Address:  
johndoe123@gmail.com

Phone Number:  
+1023456789

Notes:  
Hello... Have a Great day!!

Save Reset

# Registration Form

Please provide your details

First Name:

Anu

Last Name:

Guna

Email Address:

anuguna123@gmail.com

Phone Number:

+10234567334

Notes:

I am available now to work

Save

Reset

I have also validated the form which means is that form is filled out with the valid and accurate inputs. For example, in email field we can submit a text which is not an email value.



## Registration Form

Please provide your details

First Name:  
test

Last Name:  
delet

Email Address:  
akauhdfvk

Phone Number:  
9371038572374

Notes:  
n ks nki kljnalsx knadx

Save Reset

Please include an '@' in the email address. 'akauhdfvk' is missing an '@'.

## Registration Form

Please provide your details

First Name:  
test

Last Name:  
delet

Email Address:  
dmcb@gmail.com

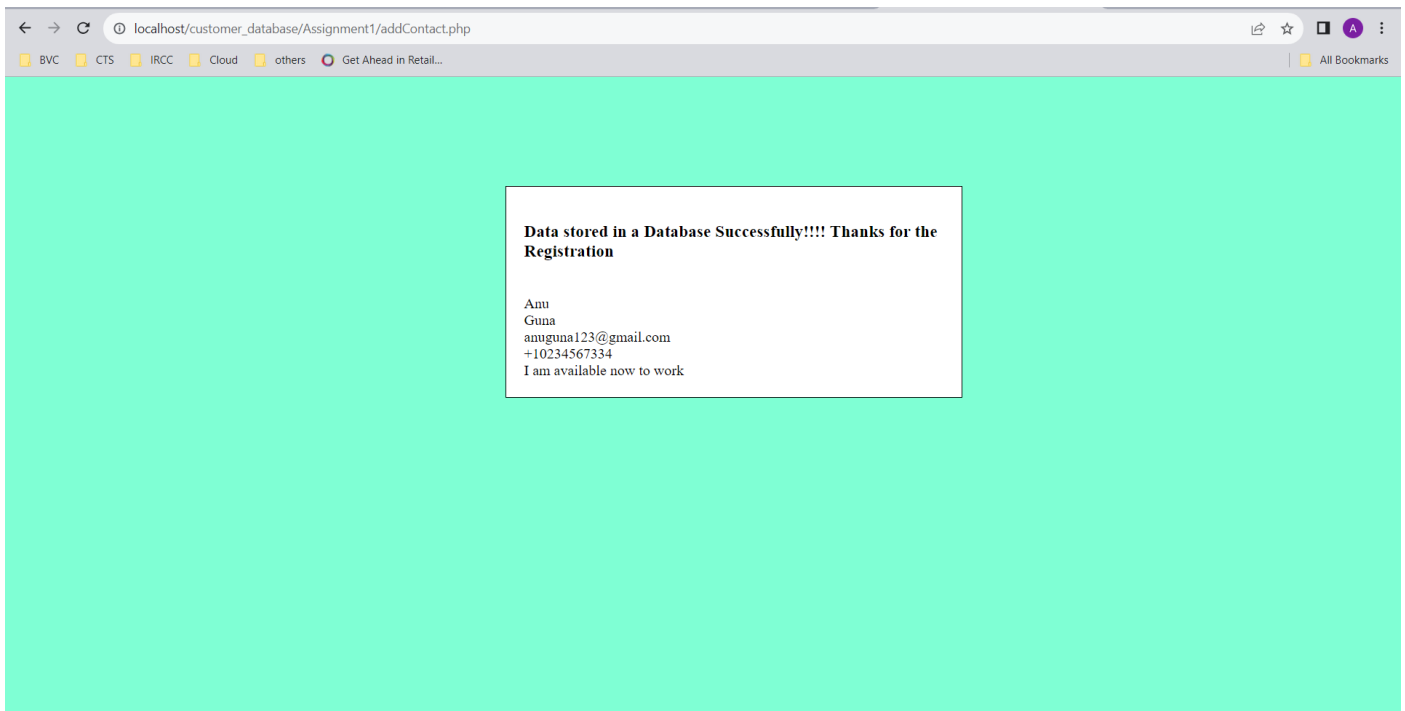
Phone Number:  
9371038572374

Notes:  
|

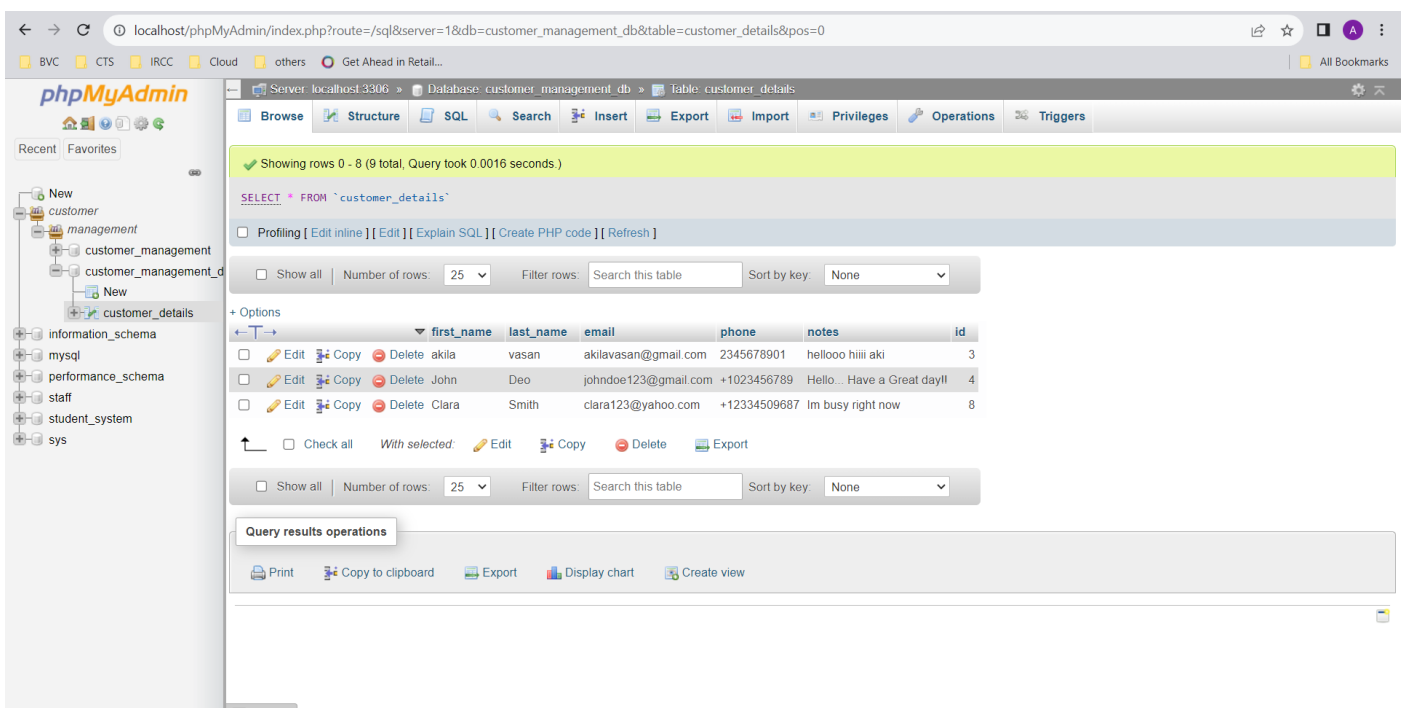
Save Reset

Please fill out this field.

Then click on save button to submit the form.

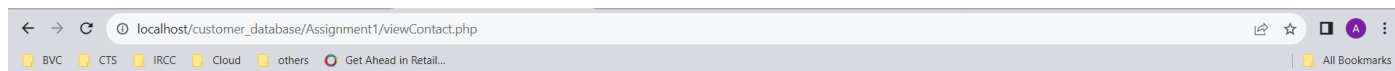


We can check the values in the table. It shows all the details added in the form.



## Customer details view page:

Then click on the view contact in the home page and view the details of the customer which we have added.

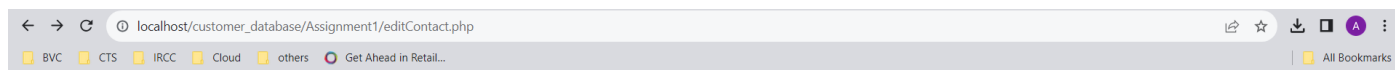


| Customer Details |            |           |                      |              |                             |
|------------------|------------|-----------|----------------------|--------------|-----------------------------|
| ID               | First Name | Last Name | Email                | Phone Number | Notes                       |
| 3                | akila      | vasan     | akilavasan@gmail.com | 2345678901   | hellooo hiiii aki           |
| 4                | John       | Deo       | johndoe123@gmail.com | +1023456789  | Hello... Have a Great day!! |
| 8                | Clara      | Smith     | clara123@yahoo.com   | +12334509687 | Im busy right now           |
| 12               | anu        | guna      | anuguna@gmail.com    | 2345678901   | hi there                    |

## Edit page:

In the edit page details are represented in a card structure with two buttons as edit and delete. If we click the edit button it will take you to the form with the details already filled. I have edited the

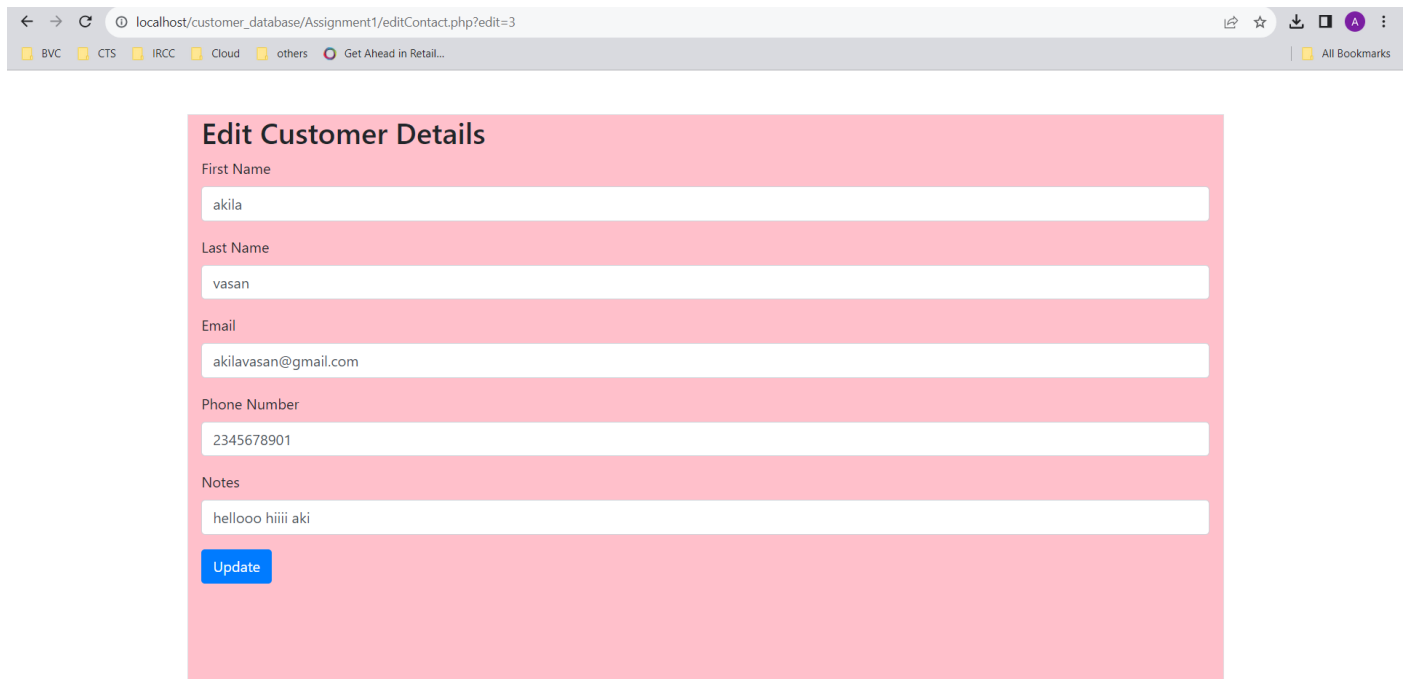
“akila vasan” card



### Customer Details

|  |  |  |
|--|--|--|
| <b>akila vasan</b><br>akilavasan@gmail.com<br>Phone: 2345678901<br>Notes: hellooo hiiii aki<br><a href="#">Edit</a> <a href="#">Delete</a> | <b>John Deo</b><br>johndoe123@gmail.com<br>Phone: +1023456789<br>Notes: Hello... Have a Great day!!<br><a href="#">Edit</a> <a href="#">Delete</a> | <b>Clara Smith</b><br>clara123@yahoo.com<br>Phone: +12334509687<br>Notes: Im busy right now<br><a href="#">Edit</a> <a href="#">Delete</a> |
|--|--|--|

## This is the form with old values



A screenshot of a web browser displaying a form titled "Edit Customer Details". The browser's address bar shows the URL "localhost/customer\_database/Assignment1/editContact.php?edit=3". The form contains several input fields with the following values: First Name: "akila", Last Name: "vasan", Email: "akilavasan@gmail.com", Phone Number: "2345678901", and Notes: "hellooo hiiii aki". A blue "Update" button is located at the bottom of the form.

**Edit Customer Details**

First Name  
akila

Last Name  
vasan

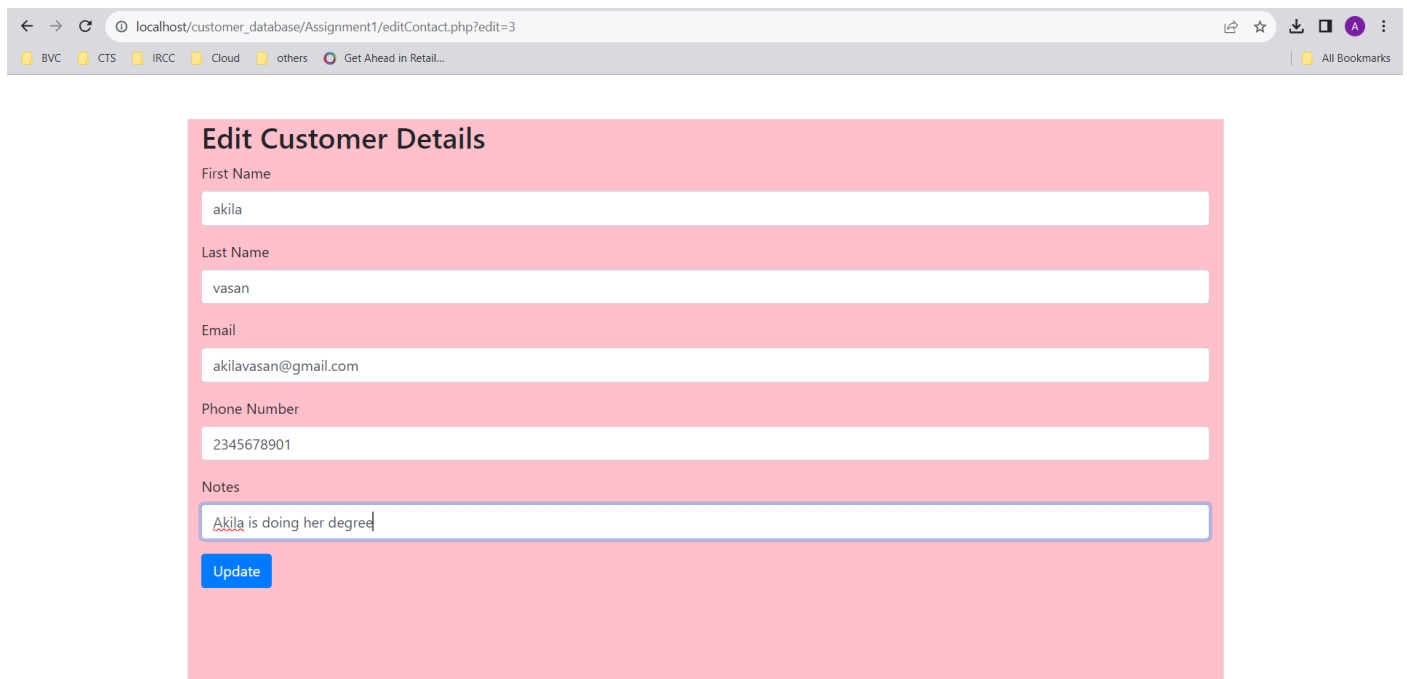
Email  
akilavasan@gmail.com

Phone Number  
2345678901

Notes  
hellooo hiiii aki

Update

Now change the value and give update button. Here I have changed the notes field.



A screenshot of a web browser displaying the same "Edit Customer Details" form. The values in the input fields are: First Name: "akila", Last Name: "vasan", Email: "akilavasan@gmail.com", Phone Number: "2345678901", and Notes: "Akila is doing her degree". The "Update" button is still present at the bottom.

**Edit Customer Details**

First Name  
akila

Last Name  
vasan

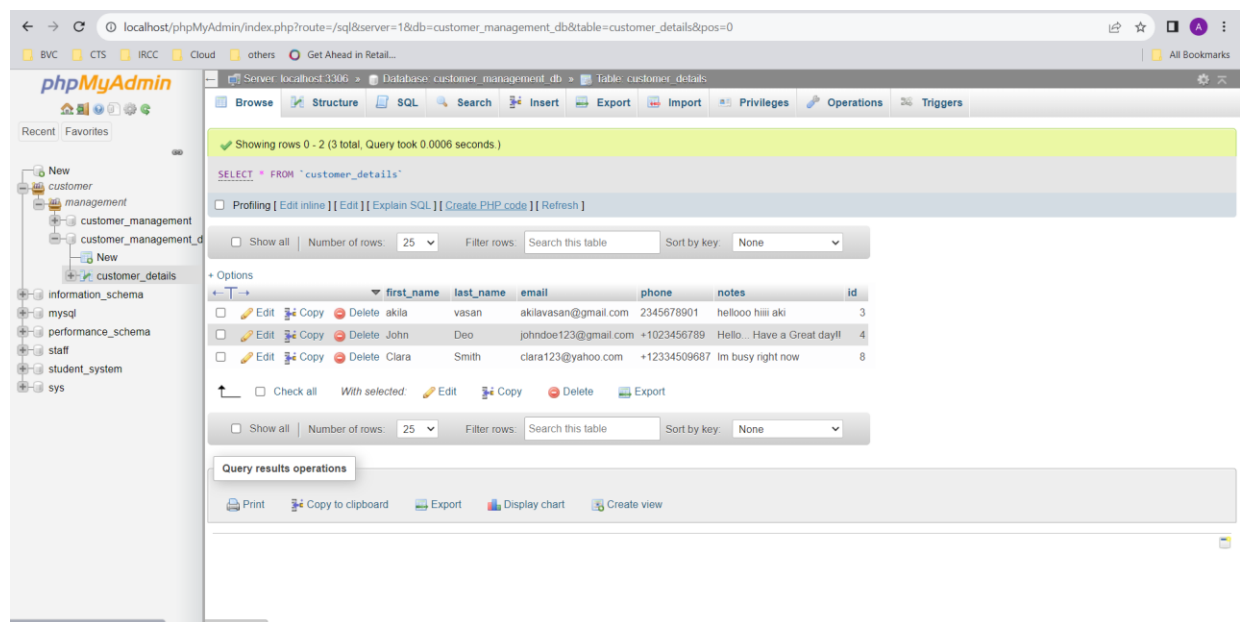
Email  
akilavasan@gmail.com

Phone Number  
2345678901

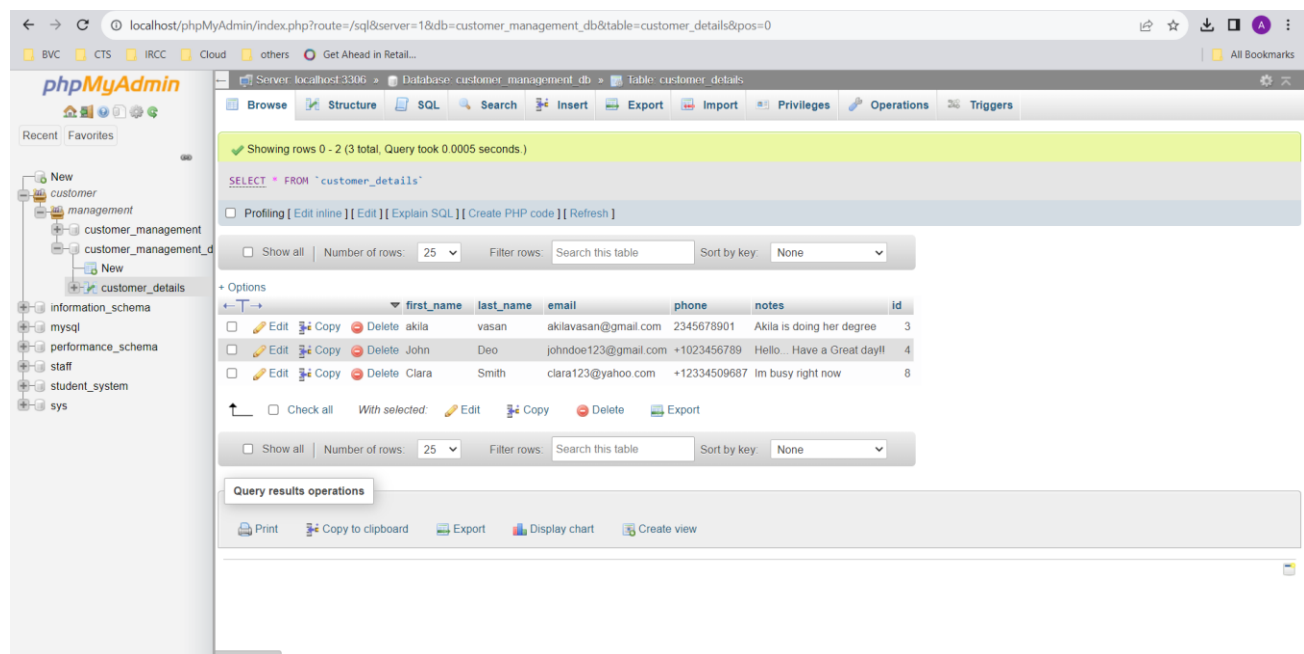
Notes  
Akila is doing her degree

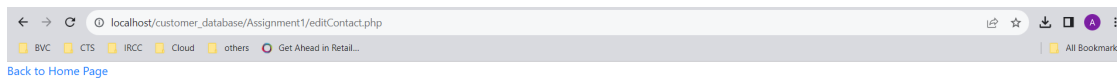
Update

we can also check the table where details are updated or not.  
This is the old screenshot before update.



Yes. The details are updated. This is the new screenshot and UI after update action in id 3.



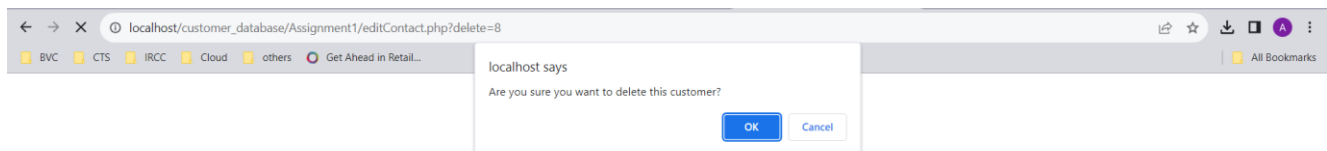


## Delete page:

For delete the customer details click the delete button .



It gives you an alert like are you really sure to delete something like that. If we click ok then the details will get deleted.



UI after deleting the details of “clara smith”



## Customer Details

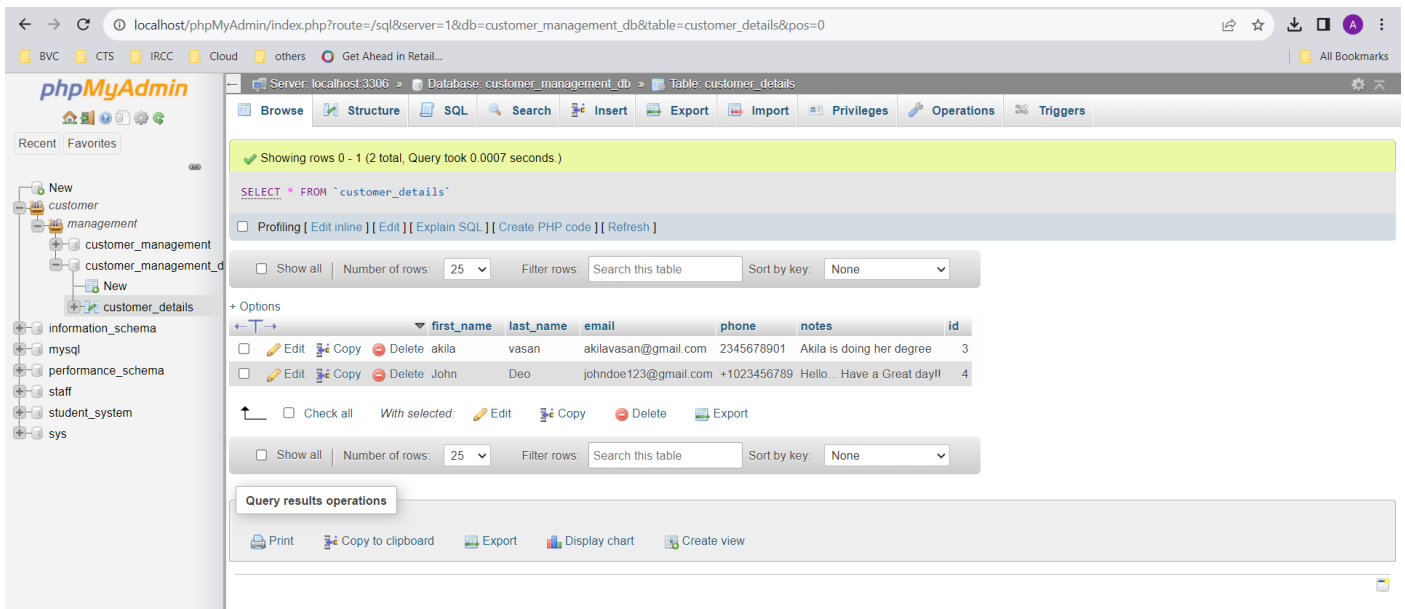
**akila vasan**  
akilavasan@gmail.com  
Phone: 2345678901  
Notes: Akila is doing her degree  
[Edit](#) [Delete](#)

**John Deo**  
johndoe123@gmail.com  
Phone: +1023456789  
Notes: Hello... Have a Great day!!  
[Edit](#) [Delete](#)

## Table values before deleting

|                          | first_name | last_name | email                | phone        | notes                       | id |
|--------------------------|------------|-----------|----------------------|--------------|-----------------------------|----|
| <input type="checkbox"/> | akila      | vasan     | akilavasan@gmail.com | 2345678901   | Akila is doing her degree   | 3  |
| <input type="checkbox"/> | John       | Deo       | johndoe123@gmail.com | +1023456789  | Hello... Have a Great day!! | 4  |
| <input type="checkbox"/> | Clara      | Smith     | clara123@yahoo.com   | +12334509687 | Im busy right now           | 8  |

## Table values after deleting



## Reflections:

I have learnt to push the data to the table from a mistake of doing path mismatch. And learnt the basic php coding by doing many mistakes.

## Reference:

[www.google.com](http://www.google.com), [www.youtube.com](http://www.youtube.com), [www.w3schools.com](http://www.w3schools.com)