

Problem 1

I implemented the problem using PHP and MySQL. Tested it on XAMPP

First, I ran the “bakery.sql” script given in the homework resources. But I encountered a problem while running queries. The script named a table as ‘**order**’. But order is a keyword and hence gave errors. So, I modified the script to have the table name as ‘**orders**’ instead of ‘**order**’

I used the code given in “menu-example-by-query-generation.php” and “view.php” and modified it to achieve my results

I used the following queries for the functionality asked in the problem:

- a)

```
SELECT c.cakename,o.pricepaid,o.ordertime,o.pickuptime
FROM cake AS c,orders AS o
WHERE o.custid=? AND o.cakeid=c.cakeid
```
- b)

```
SELECT i.iname,co.qty
FROM cake AS c,contains AS co,ingredient AS i
WHERE c.cakename=? AND c.cakeid=co.cakeid AND co.ingredid=i.ingredid
```
- c)

```
SELECT c.cakename
FROM cake AS c,contains AS co,ingredient AS i
WHERE i.iname=? AND c.cakeid=co.cakeid AND co.ingredid=i.ingredid
```

connect.php: Connecting to the database using username: USERNAME; password: nopassword

(I set these USERNAME and password as given in the Readme file in “PHP Files”)

index.php: It is my home page which has search functionality for user.

I put my bakery folder(containing connect.php,index.php and all other files) in XAMPP/htdocs

My homepage can be loaded using the link: **localhost/bakery**

ingredients.php: Implements functionality asked in b)

cakes.php: Implements functionality asked in c)