

Lab Report 11

Database Management System

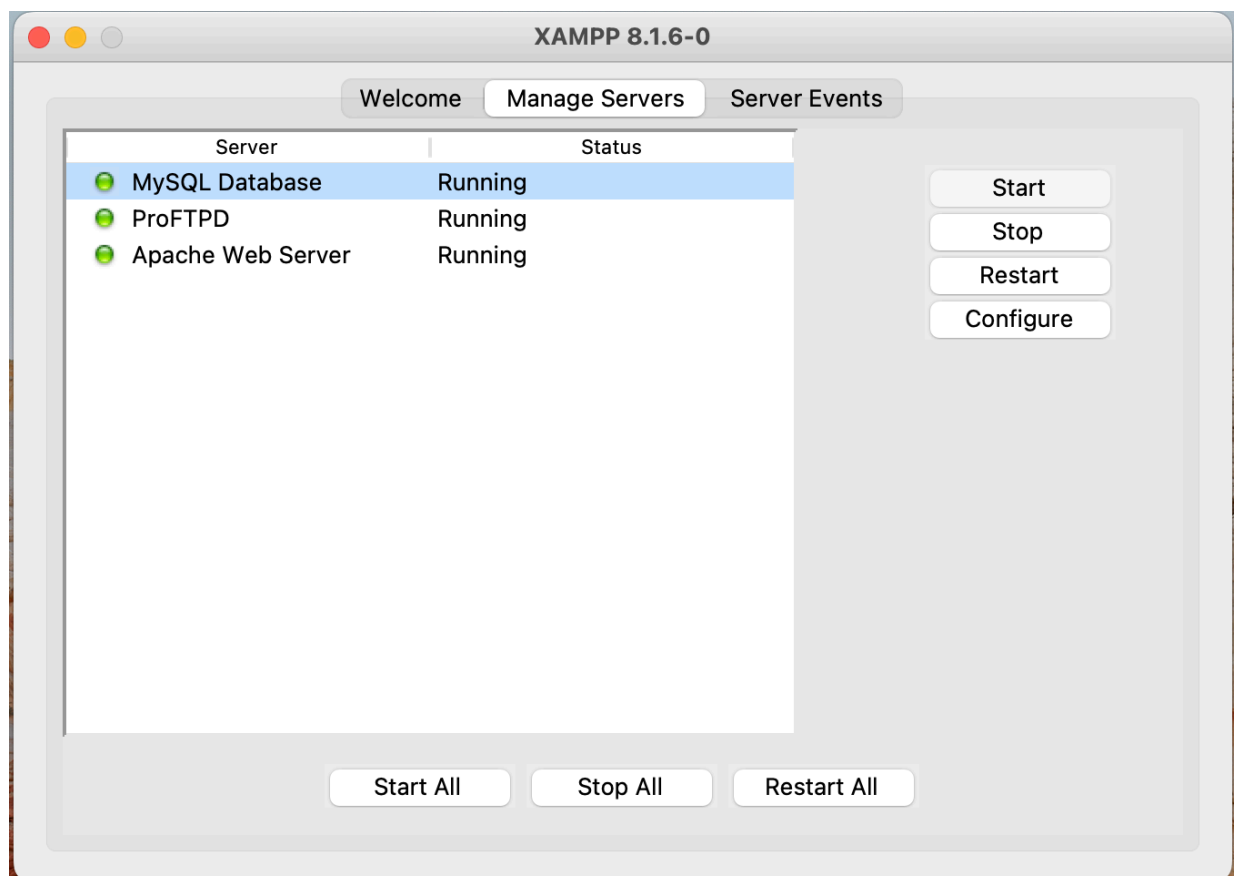
Kaushal Raj

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Task 1

Install Apache, PHP and MySQL

- Apart from all this, we can install xampp which is an open-source platform that has Apache HTTPserver and interpreters for PHP & Perl.
- It provides an easy way to deploy Apache in conjunction with PHP and MySQL.
- Create all required PHP files in /xampp/htdocs for local deployment.
- Below, I've changed the default Apache and MySQL port numbers which include changing a few more settings so that they do not clash with my local Apache and MySQL servers.
- Change ports in the config files and phpMyAdmin config files to access MySQL databases.



Task 2

```
CREATE DATABASE employee;
```

```
use employee;
```

```
Database changed
```

```
CREATE TABLE emp(
```

```
  empID VARCHAR(10) PRIMARY KEY,
```

```
  passwd VARCHAR(255),
```

```
  empName VARCHAR(20),
```

```
  DoJ DATE,
```

```
  salary INT,
```

```
  department VARCHAR(20),
```

```
  mobileNo BIGINT,
```

```
  email VARCHAR(30)
```

```
);
```

```
-- Insert 5 records into employee table
```

```
INSERT INTO emp VALUES
```

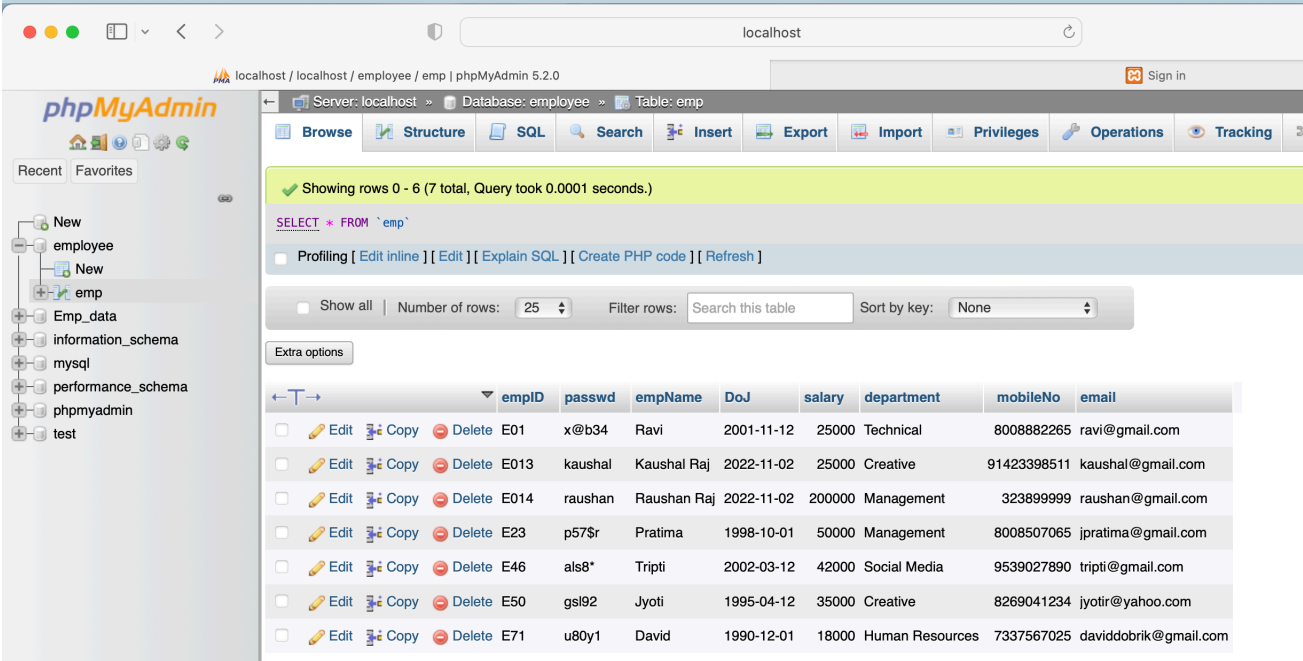
```
('E01','x@b34','Ravi','2001-11-12',25000,'Technical',8008882265,'ravi@gmail.com'),
```

```
('E23','p57$r','Pratima','1998-10-1',50000,'Management',8008507065,'jpratima@gmail.com'),
```

```
('E71','u80y1','David','1990-12-1',18000,'HumanResources',7337567025,'daviddobrik@gmail.com'),
```

```
('E50','gsl92','Jyoti','1995-4-12',35000,'Creative',8269041234,'jyotir@yahoo.com'),
```

```
('E46','als8*','Tripti','2002-3-12',42000,'SocialMedia',9539027890,'tripti@gmail.com');
```



Showing rows 0 - 6 (7 total, Query took 0.0001 seconds.)

SELECT * FROM `emp`

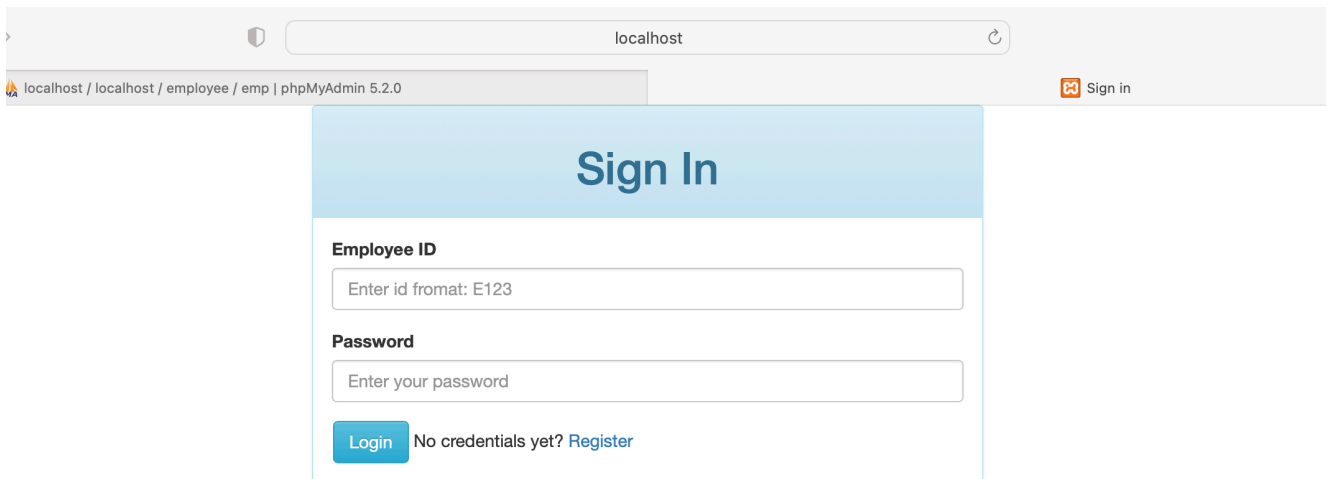
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	empID	passwd	empName	DoJ	salary	department	mobileNo	email
<input type="checkbox"/>	E01	x@b34	Ravi	2001-11-12	25000	Technical	8008882265	ravi@gmail.com
<input type="checkbox"/>	E013	kaushal	Kaushal Raj	2022-11-02	25000	Creative	91423398511	kaushal@gmail.com
<input type="checkbox"/>	E014	raushan	Raushan Raj	2022-11-02	200000	Management	323899999	raushan@gmail.com
<input type="checkbox"/>	E23	p57\$r	Pratima	1998-10-01	50000	Management	8008507065	jpratima@gmail.com
<input type="checkbox"/>	E46	als8*	Tripti	2002-03-12	42000	Social Media	9539027890	tripti@gmail.com
<input type="checkbox"/>	E50	gsl92	Jyoti	1995-04-12	35000	Creative	8269041234	jyotir@yahoo.com
<input type="checkbox"/>	E71	u80y1	David	1990-12-01	18000	Human Resources	7337567025	daviddobrik@gmail.com

Sign In Page



The screenshot shows a web browser window with the address bar set to 'localhost'. The page title is 'localhost / localhost / employee / emp | phpMyAdmin 5.2.0'. A 'Sign in' button is visible in the top right corner. The main content area features a light blue header with the text 'Sign In'. Below this, there are two input fields: 'Employee ID' with a placeholder 'Enter id fromat: E123' and 'Password' with a placeholder 'Enter your password'. At the bottom of the form, there is a blue 'Login' button and a link that says 'No credentials yet? Register'.

localhost / localhost / employee / emp | phpMyAdmin 5.2.0

Sign in

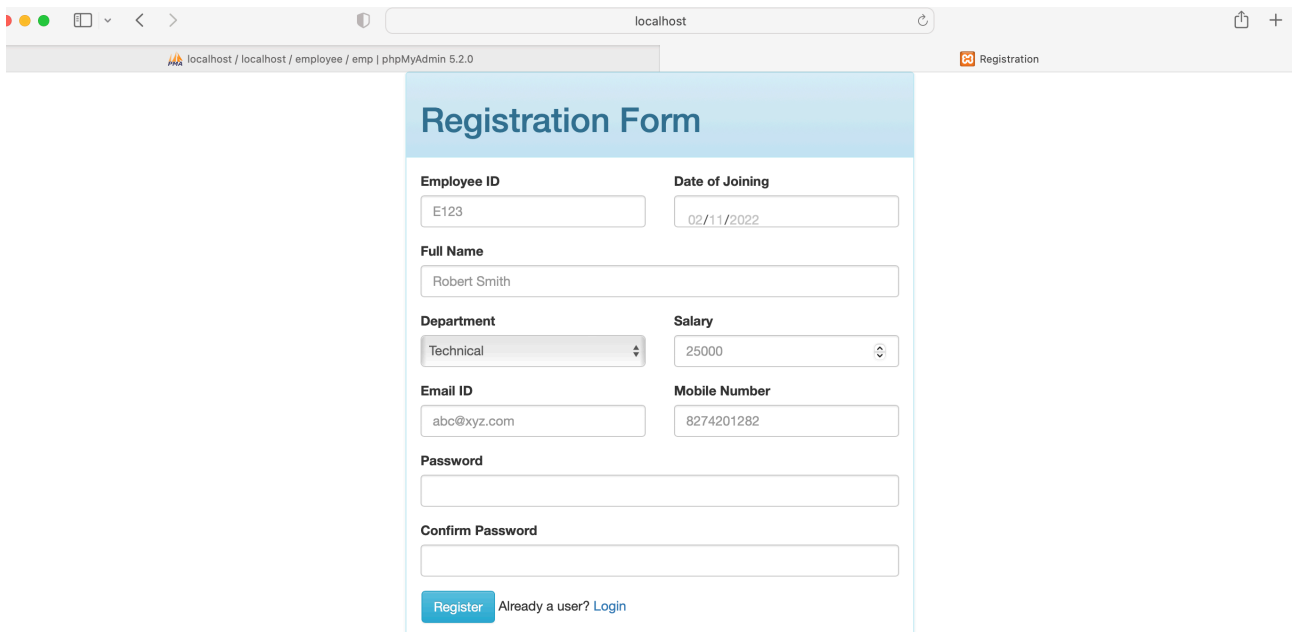
Sign In

Employee ID

Password

[Login](#) No credentials yet? [Register](#)

Registration Page



The screenshot shows a web browser window with the address bar set to 'localhost'. The page title is 'localhost / localhost / employee / emp | phpMyAdmin 5.2.0'. A 'Registration' button is visible in the top right corner. The main content area features a light blue header with the text 'Registration Form'. Below this, there are several input fields and a dropdown menu: 'Employee ID' (E123), 'Date of Joining' (02/11/2022), 'Full Name' (Robert Smith), 'Department' (Technical), 'Salary' (25000), 'Email ID' (abc@xyz.com), 'Mobile Number' (8274201282), 'Password', and 'Confirm Password'. At the bottom of the form, there is a blue 'Register' button and a link that says 'Already a user? Login'.

localhost / localhost / employee / emp | phpMyAdmin 5.2.0

Registration

Registration Form

Employee ID

Date of Joining

Full Name

Department

Salary

Email ID

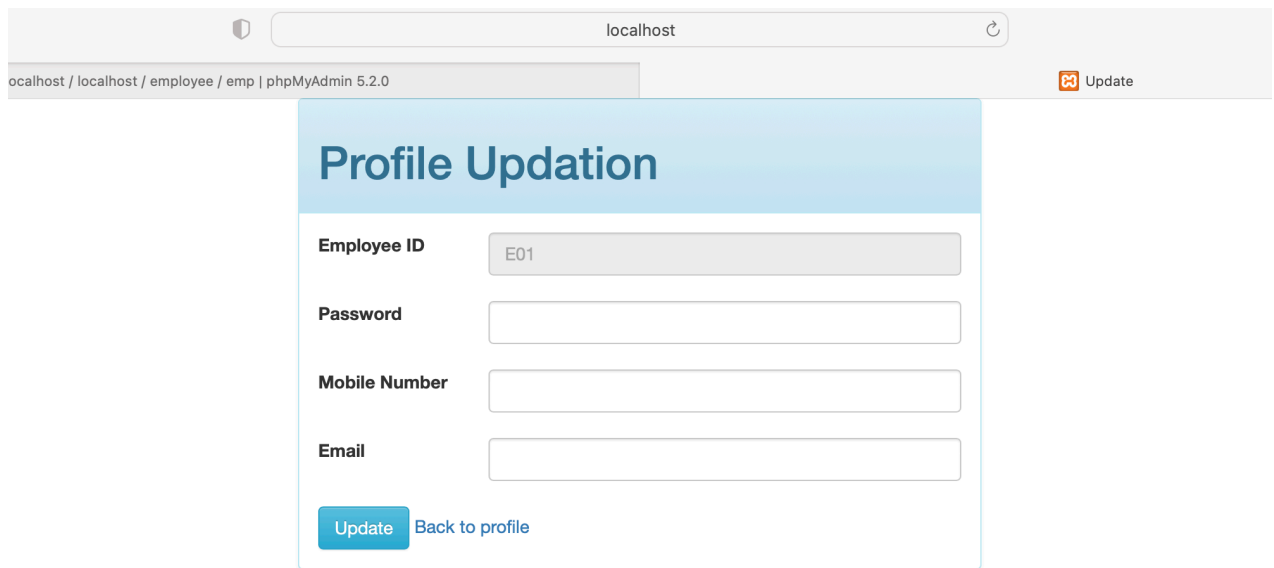
Mobile Number

Password

Confirm Password

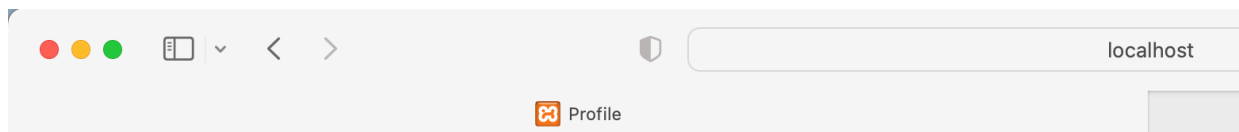
[Register](#) Already a user? [Login](#)

Profile update Page



The screenshot shows a web browser window with the address bar displaying 'localhost'. The page title is 'localhost / localhost / employee / emp | phpMyAdmin 5.2.0'. The main content area is titled 'Profile Updation' and contains a form with the following fields: 'Employee ID' (pre-filled with 'E01'), 'Password', 'Mobile Number', and 'Email'. Below the form are two buttons: 'Update' and 'Back to profile'.

Profile Page



Welcome Kaushal Raj

Profile Details

Name: Kaushal Raj
Department: Creative
Salary: 25000
Date of Joining: 2022-11-02
Email: kaushal@gmail.com
Mobile Number: 91423398511

[Update email/mobile](#)

[Log out](#)

Once logging in to the profile, the user can update their mobile number or email by clicking on the link.

During updates, leaving a field blank will not update that particular attribute, it will remain the same. After clicking on submit, you will be redirected to the profile page. Code for the remaining sections: [profile page](#), [update page](#).

One must notice, the profile can be updated only when logged in and most fields are required.

Code link: [Code Repository](#)

Video showing demo: [Demo video](#)