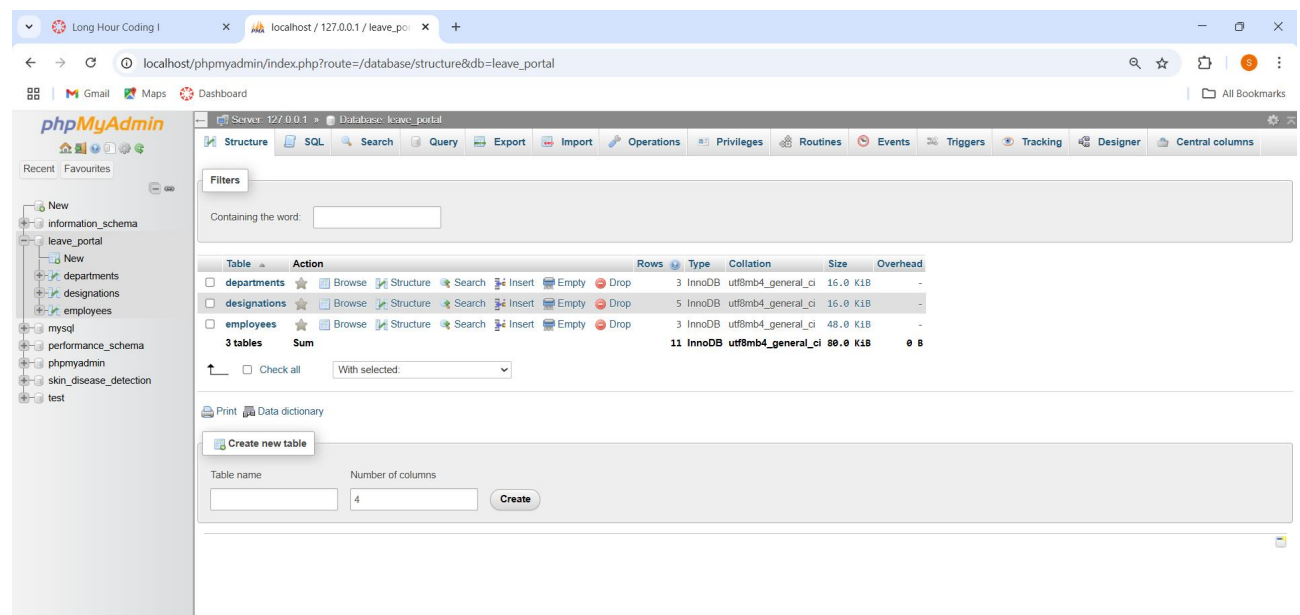
 <b>Marwadi University</b>	<b>Marwadi University</b> <b>Faculty of Technology</b> <b>Department of Information and Communication Technology</b>	
<b>Subject: AWT (01CT1625)</b>	<b>Aim: AWT_LHC_1_SET_1</b>	
<b>LHC - 1</b>	<b>Date:</b>	<b>Enrollment No: 92200133005</b>

**Use case 1: Leave Management Portal for a company where employee place leave and there reporting head will allow leave for them. (apply session management to secure the system using context hook, use MySQL for database, React for front end and node+express for back-end)**

**Q1** Create Employee form with basic details department wise, each employee have their reporting head, department and designation Reporting head should be from same department.(validate the form).

### OUTPUTS:



The screenshot shows the phpMyAdmin interface for a database named 'leave\_portal'. The left sidebar shows the database structure with tables: departments, designations, employees, performance\_schema, phpmyadmin, skin\_disease\_detection, and test. The main panel displays the 'Structure' tab for the 'leave\_portal' database. It lists three tables: departments (3 rows), designations (5 rows), and employees (3 rows). Below the table list, there is a 'Create new table' button and a form to create a new table with a table name and number of columns (set to 4).

Table	Action	Rows	Type	Collation	Size	Overhead
departments	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	16.0 K	18
designations	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	16.0 K	18
employees	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	48.0 K	18
<b>3 tables</b>	<b>Sum</b>	<b>11</b>	<b>InnoDB</b>	<b>utf8mb4_general_ci</b>	<b>80.0 K</b>	<b>54</b>

leave\_portal

New

departments

designations

employees

mysql

performance\_schema

phpmyadmin

skin\_disease\_detection

test

leave\_portal

New

departments

designations

employees

mysql

performance\_schema

phpmyadmin

skin\_disease\_detection

test

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

Show all

Number of rows: 25

Filter rows: Se

Extra options

id

position

1

Manager

2

Team Leader

3

Developer

4

Junior Developer

5

Intern

Check all

With selected:

Edit

Copy

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP co

Show all

Number of rows: 25

Filter rows:

Extra options

id

name

1

HR

2

IT

3


Finance

Check all

With selected:

Edit

Cop

 <b>Marwadi University</b>	<b>Marwadi University</b> <b>Faculty of Technology</b> <b>Department of Information and Communication Technology</b>	
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<b>LHC - 1</b>	<b>Date:</b>	<b>Enrollment No: 92200133005</b>

Sign in

React App

localhost:3000

## Add Employee

Select Department

!

Please select an item in the list.

Add Employee

## Add Employee

Email must be a Gmail address (@gmail.com)

IT

Developer

rajvi - Department Head

Add Employee

New

information\_schema

leave\_portal

New

departments

designations

employees

mysql

performance\_schema

phpmyadmin

skin\_disease\_detection

test

SELECT \* FROM employees

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

	id	name	email	department_id	designation	reporting_head_id
<input type="checkbox"/>	4	shyama	shyama@gmail.com	1	Department Head	NULL
<input type="checkbox"/>	5	rajvi	rajvi@gmail.com	2	Department Head	NULL
<input type="checkbox"/>	6	diya	diya@gmail.com	3	Department Head	NULL
<input type="checkbox"/>	7	ritesh	ritesh@gmail.com	1	Manager	4

Check all

With selected:

Edit

Copy

Delete


Export

Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

 <b>Marwadi University</b>	<b>Marwadi University</b> <b>Faculty of Technology</b> <b>Department of Information and Communication Technology</b>	
<b>Subject: AWT (01CT1625)</b>	<b>Aim: AWT_LHC_1_SET_1</b>	
<b>LHC - 1</b>	<b>Date:</b>	<b>Enrollment No: 92200133005</b>

Sign in

React App

localhost:3000

## Add Employee

HR

▼

Intern

▼

Select Reporting Head

▼

Select Reporting Head

shyama - Department Head

ritesh - Manager

information\_schema

leave\_portal

New

departments

designations

employees

mysql

performance\_schema

phpmyadmin

skin\_disease\_detection

test

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

id

name

email

department\_id

designation

reporting\_head\_id

Edit

Copy

Delete

4 shyama shyama@gmail.com1 Department HeadNULL

Edit

Copy

Delete

5 rajvi rajvi@gmail.com2 Department HeadNULL

Edit

Copy

Delete

6 diya diya@gmail.com3 Department HeadNULL

Edit

Copy

Delete

7 ritesh ritesh@gmail.com1 Manager4

Edit

Copy

Delete

8 doshi doshi@gmail.com1 Intern7

Check all

With selected:

Edit

Copy

Delete

Export

**Q2** Create Leave type Master, for each leave total allowed per year and monthly allowed, if with pay or without pay(validate the numbers per month < per year)

### OUTPUT:

#### Leave Type Master

Leave Type Name

Casual Leave

Yearly Allowance:

15

Monthly Allowance:


1

☒ With Pay

Add Leave Type

#### Existing Leave Types

Name	Yearly Allowance	Monthly Allowance	With Pay	Actions

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<b>LHC - 1</b>	<b>Date:</b>	<b>Enrollment No: 92200133005</b>

### Leave Type Master

Monthly allowance cannot be greater than yearly allowance

Leave Type Name: Sick Leave  
 Yearly Allowance: 12  
 Monthly Allowance: 45  
☒ With Pay

#### Existing Leave Types

Name	Yearly Allowance	Monthly Allowance	With Pay	Actions
Casual Leave	15	1	Yes	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

### Leave Type Master

Leave Type Name: sick leave  
 Yearly Allowance: 12  
 Monthly Allowance: 3  
☐ With Pay

#### Existing Leave Types

Name	Yearly Allowance	Monthly Allowance	With Pay	Actions
Casual Leave	15	1	Yes	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

departments

designations

employees

leave\_types

mysql

performance\_schema

phpmyadmin

skin\_disease\_detection

test

Extra options

	id	name	yearly_allowed	monthly_allowed	with_pay
<input type="checkbox"/>	2	Casual Leave	15	1	1
<input type="checkbox"/>	3	sick leave	12	3	0

☐ Check all
 With selected:

Q3 On Dashboard display table to indicate total leave request, taken leave of this type in current year, and in current month as well as total leaves taken in current year and current month, and allow head to approve or reject as well as change from with pay/without pay.



**Marwadi**  
University

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**Faculty of Technology**

**Department of Information and Communication Technology**

**Subject: AWT (01CT1625)**

**Aim: AWT\_LHC\_1\_SET\_1**

**LHC - 1**

**Date:**

**Enrollment No: 92200133005**

## Department Head Dashboard

Select Employee: All Employees

### Leave Summary

Leave Type	Total Requests	Taken This Year	Taken This Month
No data available			

### Leave Requests

Employee	Leave Type	Dates	Status	With Pay	Actions
No leave requests found					

- New
- information\_schema
- leave\_portal
  - New
  - departments
  - designations
  - employees
  - leave\_requests
  - leave\_types
- mysql
- performance\_schema

```
SELECT * FROM `leave_requests`
```

☐ Profiling [ [Edit inline](#) ] [ [Edit](#) ] [ [Explain SQL](#) ] [ [Create PHP code](#) ] [ [Refresh](#) ]

id	employee_id	leave_type_id	start_date	end_date	reason	status	with_pay	created_at
----	-------------	---------------	------------	----------	--------	--------	----------	------------

#### Query results operations

Create view

Bookmark this SQL query