

CO-5	Create dynamic Website/ Web based Application using PHP and MySQL database.
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PRACTICAL LIST – 5

- 5.1** Create a Database and then create a Customer table (ID, Name, Mobile_No, Gender, and City) using PhpMyAdmin and MYSQL console and insert 5 records in it.
- 5.2** Write a PHP script connect to MySQL Table with Following Fields Customer code, customer name and city where customer code is primary key.
- 5.3** Write a PHP script to insert a record in customer table created in 5.2.
- 5.4** Write a PHP script to insert employee information using HTML forms.
- 5.5** Write a program to read employee information like emp_no, emp_name, designation and salary from EMP table and display all this information using table format.
- 5.6** Write a program to read customer information like cust_no, cust_name, Item_purchase, and mob_no, from customer table and display all these information in table format on output screen.
- 5.7** Write a PHP script to delete a specific record from table.
- 5.8** Write a PHP script to update a specific record from table.
- 5.9** Write a PHP script simple login system that allows user to add a new username if user doesn't exist in the database. Also create a forgot password link, to redirect user to set up his new password on authentication.
- 5.10** Create a dynamic web site using PHP and MySQL.

Aim:

- 5.1** Create a Database and then create a Customer table (ID, Name, Mobile_No, Gender, and City) using Phpmyadmin and MYSQL console and insert 5 records in it.

Software Required: Notepad, WordPad, Notepad++, Dreamweaver

Pre-requisite: Basic knowledge of editor

Theory/Logic:**❖ Phpmyadmin:**

- Phpmyadmin is one of the most popular applications for MySQL database management.
- It is a free tool written in PHP.
- Through this software, you can create, alter, drop, delete, import and export MySQL database tables.
- You can run MySQL queries, optimize, repair and check tables, change collation and execute other database management commands.

❖ Steps to Create Database and Table using Phpmyadmin:

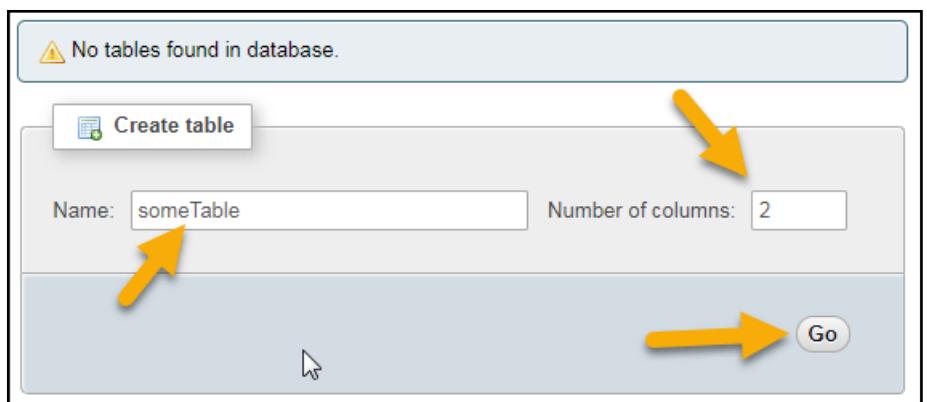
- Type <https://localhost/Phpmyadmin>

The screenshot shows the phpMyAdmin interface. On the left, there's a sidebar with icons for Home, Databases, SQL, Status, User accounts, and Export. Below these are buttons for 'Recent' and 'Favorites'. A tree view lists databases: 'information_schema', 'mysql', 'performance_schema', 'phpmyadmin', 'test', and 'test1'. A 'New' button is highlighted with a yellow arrow. The main content area has tabs for 'Databases', 'SQL', 'Status', 'User accounts', and 'Export'. The 'General settings' panel is open, showing 'Server connection collation' set to 'utf8mb4_unicode_ci'. The 'Appearance settings' panel is also visible at the bottom.

- Create a new database by clicking here:

The screenshot shows the 'Databases' page in phpMyAdmin. The sidebar has a 'New' button highlighted with a yellow arrow. The main area has a form with a 'Create database' button. The input field contains 'SomeDatabaseName'. To the right of the input field is a 'Collation' dropdown menu. A yellow arrow points to the 'Create' button at the bottom right of the form.

- Create Table with required number of columns



This screenshot shows the 'Table: someTable' configuration window. The 'Table name:' is set to 'someTable'. Under the 'Structure' tab, two columns are defined: 'names' (VARCHAR, 100 characters) and 'ages' (INT, 3 digits). A yellow box highlights these two columns. At the bottom, there are buttons for 'Preview SQL' and 'Save', with a yellow arrow pointing to the 'Save' button.

Program/Solution:

Output:

Questions:

1. List out DDL and DML commands of MYSQL.

Aim:

- 5.2 Write a PHP script connect to MySQL Table with Following Fields Customer code ,customer name and city where customer code is primary key
- 5.3 Write a PHP script to insert a record.

Software Required: Notepad, WordPad, Notepad++, Dreamweaver

Pre-requisite: Basic knowledge of editor

Theory/Logic:**❖ Mysql_connect():**

- ❑ This function allows you to establish connection of PHP application with MySQL syntax.
- ❑ Syntax:-
\$variable Name=mysql_connect (Server Name, Username, Password);
- ❑ Server Name: It indicates the name of MySQL server with which you want to establish connection.
- ❑ Username: It indicates name of user using which you can logs on to MySQL Server.
- ❑ Password: It indicates password of user using which you can logs on to MySQL Server.
- ❑ This function returns Boolean value TRUE or FALSE.

❖ mysql_selectdb()

- ❑ This function allows you to select database from list of MySQL server database for performing various operations.
- ❑ Syntax:-
mysql_selectdb ("Database Name");

❖ mysql_query():

- ❑ This function allows you to specify and execute the MySQL command on MySQL server.
- ❑ Syntax:-
mysql_query("Query", Connection Name);
- ❑ Query: It indicates MySQL command to be executed.
- ❑ Connection Name: It indicates name of variable that is used at time of establish connection with MySQL server using mysql_connect () function.

Program/Solution:**Output:****Questions:**

1. Write down syntax of Create and Insert command of MySQL.
2. List out functions for integration of PHP and MySQL.

Aim:

- 5.4 Write a PHP script to insert employee information using HTML forms.
- 5.5 Write a program to read employee information like emp_no, emp_name, designation and salary from EMP table and display all this information using table format.
- 5.6 Write a program to read customer information like cust_no, cust_name, Item_purchase, and mob_no, from customer table and display all these information in table format on output screen.

Software Required: Notepad, WordPad, Notepad++, Dreamweaver

Pre-requisite: Basic knowledge of editor

Theory/Logic:**❖ mysql_fetch_row():**

- ❑ This function allows you to retrieve a record from the record set that is returned from executing MySQL query.
- ❑ The record that is return in the form of numeric array.
- ❑ If no record found in the record set then returns false value.
- ❑ Syntax:-
mysql_fetch_row (\$variable Name);

- ❑ Variable name:-It indicates record set that is returned from executing the MySQL command using mysql_query () function.

❖ mysql_fetch_array():

- ❑ This function allows you to retrieve a record from the record set from executing MySQL query.
- ❑ The record that is returned in the form of numeric, associative array or both.
- ❑ If no record found then returns false value.
- ❑ Syntax:-
mysql_fetch_array (\$variable Name, Array Type);

- ❑ Variable name: It indicates record set that is returned from executing the MySQL command using mysql_query () function.

- ❑ Array Type: It indicates type of array.

Program/Solution:**Output:****Questions:**

1. Describe: mysql_num_rows () .

Aim:

- 5.7 Write a PHP script to delete a specific record from table.
- 5.8 Write a PHP script to update a specific record from table.
- 5.9 Write a PHP script that allows user to add a new username if user doesn't exist in the database. Also create a forgot password link, to redirect user to set up his new password on authentication.

Software Required: Notepad, WordPad, Notepad++, Dreamweaver

Pre-requisite: Basic knowledge of editor

Theory/Logic:**❖ Display data from table using PHP and HTML:**

- Display records retrieved from database table effectively and efficiently in a simple and easy way using the concept of table.
- You need to follow steps for fill the table with data.
- Establish connection with MYSQL
- Select database from MYSQL server
- Specify select query to retrieve records from database table and execute it
- Loop through each records that is retrieved from database and display them in HTML table.

Program/Solution:**Output:****Questions:**

1. Write down Delete and Update command syntax of MYSQL.

Aim:

5.10 Create a dynamic web site using PHP and MySQL.

Required: Notepad, WordPad, Notepad++, Dreamweaver

Pre-requisite: Basic knowledge of editor

Theory/Logic:

- Use all concepts of all units.
- Create dynamic website.
- Use concept of session and cookies.
- Use integration of PHP with MySQL.

Program/Solution:

Output:

Conclusion:-