

Training Day 10 Report

29 June 2025

The tenth day of Web Development training introduced the basics of databases and how to connect PHP with MySQL. We learned how to create a database, insert data from forms, and retrieve it using SQL queries. This session marked the beginning of backend integration for dynamic content.

1. Introduction to MySQL

MySQL is a relational database management system used to store and manage data for web applications.

Topics Covered:

Introduction to database, tables, and records

Data types like INT, VARCHAR, DATE

Basic SQL commands: CREATE, INSERT, SELECT, UPDATE, DELETE

Example:

```
CREATE TABLE alumni (  
    id INT AUTO_INCREMENT PRIMARY KEY,  
    name VARCHAR(100),  
    email VARCHAR(100),  
    graduation_year INT  
);
```

2. PHP-MySQL Connection

Example:

```
<?php  
$conn = mysqli_connect("localhost", "root", "", "alumni_portal");  
  
if (!$conn) {
```

```
die("Connection failed: " . mysqli_connect_error());  
}  
echo "Connected successfully";  
?>
```

3. Hands-on Practice

Created a MySQL database named alumni_portal

Built a table to store alumni registration details

Connected HTML forms to PHP scripts for storing data

Tested database connectivity and error handling

4. Relevance to Project

Database integration is a core part of the Alumni Management Portal. It allows storing alumni records, login credentials, event data, and more in a structured and retrievable format.

5. Learning Outcomes

Learned MySQL database creation and table structure

Understood how to connect PHP with MySQL

Practiced storing form data in a database

Laid the foundation for dynamic data handling in the portal

By: Rida

URN: 2302647

CRN: 2315192

D3(CSE-D)