

# Training Day 13 Report

## 2 July 2025

The thirteenth day of Web Development training focused on updating records in a MySQL database using PHP. We explored how to fetch a specific user's data, display it in an editable form, and update the changes back into the database.

### 1. Editing Data using PHP and MySQL

Learned how to retrieve a record by ID, pre-fill a form with existing values, and submit the updated data using the UPDATE SQL query.

Update Query Example:

```
$sql = "UPDATE alumni SET name='$name', email='$email', graduation_year='$year'
WHERE id=$id";
```

### 2. Steps for Updating a Record

Fetch the record using SELECT and WHERE id = ...

Populate an HTML form with the fetched values

On form submission, use UPDATE to save changes

Confirm update with a success or error message

Example Form:

```
<input type="text" name="name" value="<?php echo $row['name']; ?>">
```

### 3. Hands-on Practice

Created a dynamic "Edit Profile" page

Retrieved alumni record based on ID passed through URL (?id=3)

Displayed current values in a form

Updated details like name, email, and graduation year in the database

Validated inputs before saving

### 4. Relevance to Project

Alumni may want to update their profiles or correct details after registration. This functionality allows editing existing records, which is essential for maintaining accurate and up-to-date alumni data in the portal.

### 5. Learning Outcomes

Learned how to fetch and update database records using PHP

Practiced building dynamic forms with pre-filled data

Understood how to use SQL UPDATE queries safely

Strengthened CRUD (Create, Read, Update, Delete) operation knowledge

By: Rida

URN: 2302647

CRN: 2315192

D3(CSE-D)