Training Day 12 Report

<u>**1 July 2025**</u>

The twelfth day of Web Development training focused on retrieving and displaying data from a MySQL database using PHP. We learned how to use the SELECT statement and loop through query results to display them in an HTML table format.

1. Fetching Data from Database

We used the SELECT statement in PHP to fetch records from a MySQL database and display them on a web page.

Example:

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

$sql = "SELECT * FROM alumni";
$result = mysqli_query($conn, $sql);

while ($row = mysqli_fetch_assoc($result)) {
  echo $row['name'] . " - " . $row['email'] . "<br>";
}
?>
```

2. Displaying Data in HTML Table

Fetched multiple rows of data using mysqli_fetch_assoc()

Organized data into HTML table rows (<tr>) and cells (<td>)

Styled the table using internal CSS for better readability

Example:

```
<table border="1">
```

```
<tr><th>Name</th><th>Email</th></tr>

<!-- PHP loop output goes here -->
```
</table>

3. Hands-on Practice

Retrieved all records from the alumni table

Displayed names, emails, and graduation years in a structured table

Applied basic styling (borders, padding, alternating row colors)

Handled cases where the table is empty

4. Relevance to Project

This is useful for listing all registered alumni on the portal. Admins or users can view alumni profiles in a clean, tabular format. It also lays the foundation for future features like search and filtering.

5. Learning Outcomes

Learned how to retrieve data from a database using SQL and PHP

Practiced displaying dynamic content using loops in PHP

Improved presentation of database records with HTML tables

Understood the process of integrating backend data with frontend design

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