To retrieve reviews from a MySQL database and display them dynamically on an HTML template, you'll need to use server-side scripting (e.g., PHP) to interact with the database, fetch the review data, and populate the HTML content. Below is an example of how you can achieve this step-by-step.

### 1. PHP Script (`reviews.php`)

Create a PHP script (`reviews.php`) that connects to the MySQL database, retrieves the reviews, and outputs the data in a format suitable for display on your HTML template (`index.html`).

```php

<?php

// Database connection parameters

$servername = "your\_database\_server";

$username = "your\_username";

$password = "your\_password";

$dbname = "course\_reviews";

// Create connection

$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

// Query to retrieve reviews

$sql = "SELECT \* FROM reviews";

$result = $conn->query($sql);

// Close connection

$conn->close();

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Web Design Course Details</title>

<style>

body {

font-family: Arial, sans-serif;

margin: 20px;

padding: 20px;

}

.course-container {

max-width: 600px;

margin: 0 auto;

border: 1px solid #ddd;

padding: 20px;

border-radius: 8px;

box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);

}

.review {

margin-bottom: 20px;

border-bottom: 1px solid #ddd;

padding-bottom: 10px;

}

.rating {

color: #f39c12;

}

</style>

</head>

<body>

<div class="course-container">

<h1>Web Design Mastery</h1>

<p><strong>Provider:</strong> Wezi Tech Institute of Technology</p>

<p><strong>Course Overview:</strong> Learn the essentials of modern web design, from HTML/CSS basics to responsive design and user experience principles.</p>

<h2>Student Reviews</h2>

<?php

// Display reviews

if ($result->num\_rows > 0) {

while ($row = $result->fetch\_assoc()) {

echo '<div class="review">';

echo '<p><strong>Course Content:</strong> <span class="rating">' . getStars($row['content\_rating']) . '</span> ' . $row['review\_text'] . '</p>';

echo '<p><strong>Instructors:</strong> <span class="rating">' . getStars($row['instructors\_rating']) . '</span> ' . $row['review\_text'] . '</p>';

echo '<p><strong>Hands-on Projects:</strong> <span class="rating">' . getStars($row['projects\_rating']) . '</span> ' . $row['review\_text'] . '</p>';

echo '<p><strong>Resources and Support:</strong> <span class="rating">' . getStars($row['support\_rating']) . '</span> ' . $row['review\_text'] . '</p>';

echo '<p><strong>Value for Money:</strong> <span class="rating">' . getStars($row['value\_rating']) . '</span> ' . $row['review\_text'] . '</p>';

echo '<p><strong>Overall Rating:</strong> <span class="rating">' . getStars($row['overall\_rating']) . '</span> ' . $row['review\_text'] . '</p>';

echo '</div>';

}

} else {

echo '<p>No reviews available.</p>';

}

// Function to generate star ratings

function getStars($rating) {

$stars = '';

for ($i = 1; $i <= 5; $i++) {

$stars .= ($i <= $rating) ? '⭐️' : '☆';

}

return $stars;

}

?>

</div>

</body>

</html>

```

### Explanation:

- The PHP script connects to the MySQL database (`course\_reviews`) and retrieves reviews from the `reviews` table using a SQL query.

- The fetched review data is then looped through using a `while` loop to dynamically generate HTML content for each review.

- The `getStars` function is used to generate star ratings based on the numeric rating stored in the database (`\*\_rating` fields).

- The generated HTML content (including review details and star ratings) is echoed within the `<div class="course-container">` section of the HTML template.

### Usage:

1. Replace `your\_database\_server`, `your\_username`, and `your\_password` in the PHP script (`reviews.php`) with your actual MySQL database connection parameters.

2. Save the PHP script (`reviews.php`) and HTML template (`index.html`) in the same directory on your web server.

3. Access `reviews.php` in a web browser to view the dynamically populated course details and student reviews based on the data retrieved from the database.

This example demonstrates how to retrieve and display reviews from a MySQL database using PHP, while dynamically generating HTML content with star ratings for each review. Adjust the database connection parameters and HTML/CSS styles as needed to integrate this solution into your web application.