Experiment No: 16
Develop a simple application to update, delete table data from database.

Resources required:

Hardware	Software
Computer System	XAMPP

Practical Significance:

MySQL is used to manage stored data and is an open source Database Management Software (DBMS) or Relational Database Management System (RDBMS). PHP and MySQL are server side technologies, both are used on server side so the combination of these is preferred to developed cloud based application.

Theoretical Background:
PHP 5 and later can work with a MySQL database using:

MySQLi extension (the "i" stands for improved)
PDO (PHP Data Objects)

Update Data In a MySQL Table Using MySQLi.
The UPDATE statement is used to update existing records in a table:
UPDATE table_name
SET column1=value, column2=value2,...
WHERE some_column=some_value
Notice the WHERE clause in the UPDA

```
<?php
$servername = "localhost";
$username = "username";
$password = "password";
$dbname = "myDB";

// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$sql = "UPDATE MyGuests SET lastname='Doe' WHERE id=2";
if ($conn->query($sql) === TRUE) {
    echo "Record updated successfully";
```

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```
    } else {
        echo "Error updating record: " . $conn->error;
    }

    $conn->close();
    ?>
```

Delete Data From a MySQL Table Using MySQLi
The DELETE statement is used to delete records from a table:
$sql = "DELETE FROM MyGuests WHERE id=3";

Practical related questions:
  1. Write use of mysql_fetch_row() and mysql_fetch_array().
  Mysql_fetch_row() is used to fetch one row from a result set
  Mysql_fetch_array() is used to fetches a result row as an associative array, numeric array or both

  2. How do you connect to a MySQL database using mysqli?
  Use mysqli_connect() method to connect to mySQL database

Exercise:

  1. Write a PHP script to update data in database.

```php
<?php

$servername = "localhost";
$username = "root";
$password = "123456";
$dbname = "sakila";

// Create connection
    $conn = mysqli_connect($servername,
    $username, $password, $dbname);

    if($conn === false){
        die("ERROR: Could not connect. "
            . mysqli_connect_error());
    }

    $sql = "UPDATE actor SET first_name='asd', last_name='fgh' WHERE ac
tor_id=1 ";

    if(mysqli_query($conn,$sql)){
        echo "Record updated successfully";
    } else {
```

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```php
        echo "Error updating record: " . mysqli_error($conn);
    }

    mysqli_close($conn)

?>

<!-- Output -->
<!-- Record updated successfully -->
```

2. Write a PHP script to delete the data from database.

```php
<?php

$servername = "localhost";
$username = "root";
$password = "123456";
$dbname = "sakila";

// Create connection
    $conn = mysqli_connect($servername,
    $username, $password, $dbname);

    if($conn === false){
        die("ERROR: Could not connect. "
            . mysqli_connect_error());
    }

    $sql = "DELETE FROM actor WHERE actor_id=201 ";

    if(mysqli_query($conn,$sql)){
        echo "Record updated successfully";
    } else {
        echo "Error updating record: " . mysqli_error($conn);
    }

    mysqli_close($conn)

?>

<!-- Output -->
<!-- Record updated successfully -->
```