

Name : Sumit Raghunath Mali Roll no :- 58 Date :- / / 2025 Branch :- Second Year B.Tech (IT) Sub:- Web Technology Lab Exp. No:- 05	Sign :-
	Remark :-

Aim: Write a PHP program to fetch user info from MYSQL database

1.Make Connection

```

<?php

$servername = "localhost";

$username = "root";

$password = "";

// Step 1: Connect to MySQL server

$conn = mysqli_connect($servername, $username, $password);

// Step 2: Check connection

if (!$conn) {

    die("Connection failed: " . mysqli_connect_error());

}

// Step 3: Create database

$sql = "CREATE DATABASE sumit";

if (mysqli_query($conn, $sql)) {

    echo "Database 'sumit' created successfully.";

} else {

    echo "Error creating database: " . mysqli_error($conn);

}

```

```
// Step 4: Close connection
```

```
mysqli_close($conn);
```

```
?>
```

2.Fetch Data and Display in the Form of Table

```
<?php
```

```
$sql = "SELECT * FROM USERS";
```

```
if($result = mysqli_query($Conn, $sql)){
```

```
if(mysqli_num_rows($result) > 0){
```

```
    echo "<table>";
```

```
    echo "<tr>";
```

```
    echo "<th>id</th>";
```

```
    echo "<th>first_name</th>";
```

```
    echo "<th>last_name</th>";
```

```
    echo "<th>email</th>";
```

```
    echo "</tr>";
```

```
while($row = mysqli_fetch_array($result))
```

```
{
```

```
    echo "<tr>";
```

```
    echo "<td>" . $row['id'] . "</td>";
```

```
    echo "<td>" . $row['first_name'] . "</td>";
```

```
    echo "<td>" . $row['last_name'] . "</td>";
```

```
    echo "<td>" . $row['email'] . "</td>";
```

```
    echo "</tr>";
```

```
}
```

```
echo "</table>";
```

```
mysqli_free_result($result);
```

```
}  
  
else{  
  
    echo "No records matching your query were found."  
  
}  
  
} else{  
  
    echo "ERROR: Could not able to execute $sql. " . mysqli_error($link);  
  
}  
  
mysqli_close($Conn);  
  
?>
```

Name : Sumit Raghunath Mali Roll no :- 58 Date :- / / 2025 Branch :- Second Year B.Tech (IT) Sub:- Web Technology Lab Exp. No:- 06	Sign :-
	Remark :-

Aim: Write a PHP program to perform crud operation

1.Connect With Database

```
<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "mydb";

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

if ($conn->connect_error) {

die("Connection failed: " . $conn->connect_error);

} ?>
```

2. Give Information To Server From Html Page,

```
<!DOCTYPE html>

<html>

<head>

<title>Student CRUD</title>

<style>

body {

font-family: Arial;
```

```
background: #f4f4f4;

padding: 30px;
}

.card {

background: white;

padding: 20px;

margin-bottom: 20px;

border-radius: 10px;

box-shadow: 0 0 8px rgba(0,0,0,0.1);

width: 300px;

}

h2 {

margin-top: 0;

}

input[type="text"], input[type="number"] {

width: 100%;

padding: 8px;

margin-top: 6px;

margin-bottom: 12px;

}

input[type="submit"] {

background: #4CAF50;

color: white;

border: none;

padding: 10px 16px;

cursor: pointer;
```

```
}

input[type="submit"]:hover {

    background: #45a049;

}

.container {

    display: flex;

    gap: 20px;

    flex-wrap: wrap;

}

</style>

</head>

<body>

<h1>Student Database Management</h1>

<div class="container">

    <!-- Insert Card -->

    <div class="card">

        <h2>Insert Student</h2>

        <form method="POST">

            <input type="hidden" name="action" value="insert">

            Roll No: <input type="number" name="roll_no" required><br>

            Name: <input type="text" name="name" required><br>

            Marks: <input type="number" name="marks" required><br>

            <input type="submit" name="submit" value="Insert">

        </form>

    </div>

</div>
```

</form>

</div>

<!-- Update Card -->

<div class="card">

<h2>Update Student</h2>

<form method="POST">

<input type="hidden" name="action" value="update">

Roll No: <input type="number" name="roll_no" required>

New Name: <input type="text" name="name" required>

New Marks: <input type="number" name="marks" required>

<input type="submit" name="submit" value="Update">

</form>

</div>

<!-- Delete Card -->

<div class="card">

<h2>Delete Student</h2>

<form method="POST">

<input type="hidden" name="action" value="delete">

Roll No: <input type="number" name="roll_no" required>

<input type="submit" name="submit" value="Delete">

</form>

</div>

</div>

<!-- PHP Processing Section -->

<?php

```

if (isset($_POST['submit'])) {

    $conn = mysqli_connect("localhost", "root", "", "studentdb");

    if (!$conn) {

        die("Connection failed: " . mysqli_connect_error());

    }

    $roll_no = $_POST['roll_no'];

    $name = isset($_POST['name']) ? $_POST['name'] : null;

    $marks = isset($_POST['marks']) ? $_POST['marks'] : null;

    $action = $_POST['action'];

    if ($action == "insert") {

        $sql = "INSERT INTO students (roll_no, name, marks) VALUES ('$roll_no', '$name', '$marks')";

        echo mysqli_query($conn, $sql) ? "Record inserted." : "Insert error: " .
        mysqli_error($conn);

    } elseif ($action == "update") {

        $sql = "UPDATE students SET name='$name', marks='$marks' WHERE
        roll_no='$roll_no'";

        echo mysqli_query($conn, $sql) ? "Record updated." : "Update error: " .
        mysqli_error($conn);

    } elseif ($action == "delete") {

        $sql = "DELETE FROM students WHERE roll_no='$roll_no'";

        echo mysqli_query($conn, $sql) ? "Record deleted." : "Delete error: " .
        mysqli_error($conn);}

    mysqli_close($conn);

}??>

</body></html>

```

Save This File As index.php

Student Database Management

Insert Student

Roll No:

Name:

Marks:

Insert

Update Student

Roll No:

New Name:

New Marks:

Update

Delete Student

Roll No:

Delete

OUTPUT:-

|

| | |
|--|------------------|
| Name : Sumit Raghunath Mali
Roll no :- 58 Date :- / / 2025
Branch :- Second Year B.Tech (IT)
Sub:- Web Technology Lab
Exp. No:- 07 | Sign :- |
| | Remark :- |

Aim: Write a PHP function to check palindrome string.

```
<?php
// Function to check if a string is a palindrome

function isPalindrome($str) {

    // Convert the string to lowercase for case-insensitive comparison

    $str = strtolower($str);

    // Reverse the string

    $reversed = strrev($str);

    // Compare original and reversed

    if ($str == $reversed) {

        return true;

    } else {

        return false;

    }

}

// Test string

$input = "1221";
```

```
// Call function and print result

if (isPalindrome($input)) {

    echo "$input is a Palindrome.";

} else {

    echo "$input is NOT a Palindrome.";

}

?>
```

| | |
|--|------------------|
| Name : Sumit Raghunath Mali
Roll no :- 58 Date :- / / 2025
Branch :- Second Year B.Tech (IT)
Sub:- Web Technology Lab
Exp. No:- 08 | Sign :- |
| | Remark :- |

Aim: Write a PHP program using for loop to add all the integers between 0 and 30 and display the total.

```
<?php

$sum = 0; // Initialize sum


// Use for loop to add numbers from 0 to 30
for ($i = 0; $i <= 30; $i++) {

    $sum += $i;

}


// Display the total sum

echo "The sum of numbers from 0 to 30 is: " . $sum;

?>
```

Output:-

The sum of numbers from 0 to 30 is: 465

| | |
|--|------------------|
| Name : Sumit Raghunath Mali
Roll no :- 58 Date :- / / 2025
Branch :- Second Year B.Tech (IT)
Sub:- Web Technology Lab
Exp. No:- 09 | Sign :- |
| | Remark :- |

Aim: Create a script to construct the pyramid of asterisk (*) using nested for loop.

```
<?php
```

```
$rows = 5; // Total number of rows
```

```
for ($i = 1; $i <= $rows; $i++) {
```

```
    // Print spaces before stars
```

```
    for ($j = 1; $j <= $rows - $i; $j++) {
```

```
        echo " "; // Single space
```

```
    }
```

```
    // Print stars with a space after each
```

```
    for ($k = 1; $k <= $i; $k++) {
```

```
        echo "* ";
```

```
    }
```

```
    // Move to the next line
```

```
    echo "<br>";
```

```
}
```

?>

Output:-

*

* *

* * *

* * * *

* * * * *

Name : Sumit Raghunath Mali Roll no :- 58 Date :- / / 2025 Branch :- Second Year B.Tech (IT) Sub:- Web Technology Lab Exp. No:- 10	Sign :-
	Remark :-

Aim: Write a program to calculate factorial of a number using for loop.

```
<?php
// Input number
$num = 5; // You can change this value to test with other numbers
// Variable to store factorial result
$factorial = 1;
// Loop to calculate factorial
for ($x = $num; $x >= 1; $x--) {
    $factorial *= $x; // Multiply current value of $factorial by $x
}
// Output the result
echo "The factorial of $num is $factorial";
?>
```

OutPut:-

The factorial of 5 is 120

Name : Sumit Raghunath Mali Roll no :- 58 Date :- / / 2025 Branch :- Second Year B.Tech (IT) Sub:- Web Technology Lab Exp. No:- 11	Sign :-
	Remark :-

Aim: Write a program which will count the specific characters in the text.

Program:

```
<?php
$text="Shri vile parle kelvani mandal institute of technology";
$search_char="r";
$count="0";
for($x="0"; $x< strlen($text); $x++)
{
    if(substr($text,$x,1)==$search_char)
    {
        $count=$count+1;
    }
}
echo $count."\n";
?>
```

OutPut:-

The character 'r' appears 3 times.