**//Add dynamic web application essence using PHP, HTML and MySQL. “hello.php”**

**Software (Minimum Requirement:):**

1. Ubuntu 64 bit / Windows XP.

2. XAMPP Server

**Hardware (Minimum Requirement:):**

Intel p4 Machine with 1GB ARM and 32GB HDD.

<?php

$con = mysqli\_connect("localhost","root","","test");

// Check connection

if (mysqli\_connect\_errno())

{

echo "Failed to connect to MySQL: " . mysqli\_connect\_error();

}

$fname = '';

$lname = '';

$roll = '';

**//insert query**

if (isset($\_POST['insert'])) {

$fname = $\_POST["fname"];

$lname = $\_POST["lname"];

$roll = $\_POST["roll"];

if (empty($fname)) {

echo "enter first name";

}elseif (empty($lname)) {

echo "enter last name";

}elseif (empty($roll)) {

echo "enter roll number";

}else

$sql = "INSERT INTO `studdb` (fname,lname,roll) VALUES('$fname','$lname','$roll')";

if (mysqli\_query($con, $sql)=== true) {

echo "New record created successfully";

} else {

echo "Error: " . $sql . "" . mysqli\_error($con);

}

$con->close();

}

**// select query**

if (isset($\_POST['display'])) {

$sql = 'SELECT \* FROM studdb';

$result = mysqli\_query($con, $sql);

if ($result && mysqli\_num\_rows($result) > 0) {

while($row = mysqli\_fetch\_assoc($result)) {

echo "fName: " . $row["fname"]. "<br>";

echo "lName: " . $row["lname"]. "<br>";

echo "roll: " . $row["roll"]. "<br>";

}

} else {

echo "0 results";

}

}

**//update query**

if (isset($\_POST['update'])) {

$fname = $\_POST["fname"];

$lname = $\_POST["lname"];

$roll = $\_POST["roll"];

if(empty($roll))

{

echo 'enter user roll number to update';

} else{

$sql = "UPDATE `studdb` SET fname = '$fname', lname = '$lname', roll = '$roll' WHERE roll = '$roll' ";

if (mysqli\_query($con, $sql)) {

echo "Record updated successfully";

} else {

echo "Error updating record: " . mysqli\_error($con);

}

}

}

**//delete query**

if (isset($\_POST['delete'])) {

$roll = $\_POST["roll"];

if(empty($roll))

{

echo 'enter roll number to delete';

} else{

$sql = "DELETE FROM `studdb` WHERE roll = '$roll'";

if (mysqli\_query($con, $sql)===true) {

echo "Record deleted successfully";

} else {

echo "Error deleting record: " . mysqli\_error($con); } } } ?>

<!DOCTYPE html>

<html>

<head>

<title>Basic CRUD </title>

<link rel="stylesheet" type="text/css" href="design.css">

</head>

<body>

<form action="hello.php" method="POST">

<div class="complete">

<div align="center" class="heading">

<h1>Student Data Base</h1>

</div>

<div align="center" class="text">

<div class="field">

<input type="text" name="fname" placeholder="first name"><br><br>

<input type="text" name="lname" placeholder="last name"><br><br>

<input type="number" name="roll" placeholder="ROLL NUMBER"><br><br>

</div>

<div class="button">

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

<input type="submit" name="display" value="Display All">

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

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

</div>

</div>

</div> </form> </body> </html>