

Learn PHP

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Include PHP into HTML

```
<!DOCTYPE html>
<html>
<body>

<?php

echo "My first PHP script!";

?>

</body>
</html>
```

Commenting

```
<?php

// This is a single-line comment

# This is also a single-line comment

/*
This is a multiple-lines comment block
that spans over multiple
lines
*/

?>
```

Variable

```
<?php

$txt = "Hello world!";
$x = 5;
$y = 10.5;

?>
```

Print in PHP

```
<?php
echo "<h2>PHP is Fun!</h2>";
echo "Hello world!<br>";
echo "I'm about to learn PHP!<br>";
echo "This ", "string ", "was ", "made ", "with multiple parameters.";

$txt1 = "Learn PHP";

echo "<h2>" . $txt1 . "</h2>";
?>
```

Data Types

String
Integer
Float (floating point numbers - also called double)
Boolean
Array

To find data type

```
<?php
$x = 5985;
$cars = array("Volvo","BMW","Toyota");

var_dump($x);
var_dump($cars);
?>
```

if...else Statement

```
if (condition) {
    code to be executed if condition is true;
} else {
    code to be executed if condition is false;
}

$num = 15;

if ($num < 20) {
    echo "Have a good day!";
} else {
    echo "Have a good night!";
}
```

Arrays

An array is a special variable, which can hold more than one value at a time.

```
<?php

$cars = array("Volvo", "BMW", "Toyota");

echo "I like " . $cars[0] . ", " . $cars[1] . " and " . $cars[2] . ".";
echo count($cars);

?>
```

While Loop

```
<?php
$x = 1;

while($x <= 5) {
    echo "The number is: $x <br>";
    $x++;
}
?>
```

PHP Include

To include the same PHP, HTML, or text on multiple pages of a website

```
<?php include 'connection.php';?>
```

PHP to MySQL Database

Steps

Create a PHP page call "connection.php" add below code

```
<?php
```

```
$servername = "localhost";
```

```
$username = "root";
```

```
$password = "";
```

```
$database = "vexam";
```

Database Name

```
// Create connection
```

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

```
// Check connection
```

```
if (!$conn) {
```

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

```
}
```

```
echo "Connected successfully";
```

```
?>
```

Open created Lecturer Registration page and enter below codes

```
<?if(isset($_POST["btnsubmit"])){
```

variable

```
$firstname = $_POST['txtfirstname'];  
$lastname = $_POST['txtlastname'];  
$contact = $_POST['txtcontact'];  
$gender = $_POST['txtgender'];  
$address = $_POST['txtaddress'];
```

```
$username = $_POST['txtusername'];  
$pass = $_POST['txtpass'];
```

"name" of the input field

Same Row

```
$sql = "INSERT INTO `lecturer`  
(`firstname`, `lastname`, `gender`, `address`, `contact`)  
VALUES ('$firstname', '$lastname', '$gender', '$address', $contact);";
```

```
if (mysqli_query($conn, $sql)) {  
    echo "New record created successfully";  
} else {  
    echo "Error: " . $sql . "<br>" . mysqli_error($conn);  
}
```

```
}
```

"GET" or "POST"

```
<form method="POST">
```

```
<div class="row">  
    <div class="form-group col-md-6">  
        <label for="inputEmail4">First Name</label>  
        <input name="txtfirstname" type="text" id="inputEmail4" placeholder="First Name">  
    </div>
```

```
<div class="form-group col-md-6">  
    <label for="inputPassword4">Last Name</label>  
    <input name="txtlastname" type="text" placeholder="Last Name">  
</div>
```

```
...
```

First Name

First Name

Open created Lecturer List page to add view code

```
<table class="table">
<thead>
<tr>
    <th scope="col">Full Name</th>
    <th scope="col">Contact</th>
    <th scope="col">Gender</th>
    <th scope="col">Address</th>
    <th scope="col">Action</th>
</tr>
</thead>
<tbody>

<?php

include 'connection.php';

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

if (mysqli_num_rows($result) > 0) {

// output data of each row

while($row = mysqli_fetch_assoc($result)) {

    echo "<tr>
    <td>".$row["firstname"]." ".$row["lastname"]."</td>
    <td>".$row["contact"]."</td>
    <td>".$row["gender"]."</td>
    <td>".$row["address"]."</td>
    <td>
        <a href='' class='btn btn-warning'>Edit</a>
        <a href='LecDel.php?id=$row[id]' class='btn btn-danger'>Delete</a>
    </td>
    </tr>";

    }

} else {

echo "0 results";

}

?>

</tbody>
</table>
```



A blue box labeled "Database field name" has a dotted line pointing to the `firstname` key in `$row["firstname"]`. Another dotted line points from the same box to the `lastname` key in `$row["lastname"]`. A third dotted line points from the box to the `id` key in `$row[id]`.

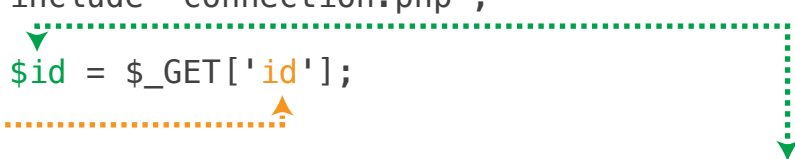
Create a file call “LecDel.php” and do the following

```
<?php
include 'connection.php';
$id = $_GET['id'];

$sql = "DELETE FROM lecturer WHERE id=$id";


if (mysqli_query($conn, $sql)) {
    header("Location: LecList.php");
} else {
    echo "Error deleting record: " . mysqli_error($conn);
}

?>
```



Goto LecList.php and below <a> tag with codes

```
<tr>
  <td>".$row["firstname"]." ".$row["lastname"]."</td>
  <td>".$row["contact"]."</td>
  <td>".$row["gender"]."</td>
  <td>".$row["address"]."</td>
  <td>
    <a href='' class='btn btn-warning'>Edit</a>
    <a href='LecDel.php?id=$row[id]' class='btn btn-danger'>Delete</a>
  </td>
</tr>;
```



Page name

To join

Get text field

Database row

Create a file call “LecEdit.php” and do the following

- 1 Write a select query to fetch all the details of selected row
- 2 Store every single value to a dedicated variable
- 3 Echo inside each and every input field in the form
- 4 Capture all the user changed data to separate variable
- 5 UPDATE the values to database using given \$id

from : LecList.php

```
<a href='LecEdit.php?id=$row[id]' class='btn btn-danger'>Edit</a>
```

Page name

To join

Get text field

Database row

```
<?php
```

```
$id = $_GET['id'];
```

```
include 'connection.php';
```

```
1 $sql = "SELECT * FROM lecturer WHERE id=$id";
```

```
$result = mysqli_query($conn, $sql);
```

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

```
    while($row = mysqli_fetch_assoc($result)) {
```

```
        $fname = $row["firstname"];
```

```
        $lname = $row["lastname"];
```

```
        $gender = $row["gender"];
```

```
        $contact = $row["contact"];
```

```
        $address = $row["address"];
```

```
    }
```

```
}
```

```
?>
```

HTML form input field

```
<div class="form-group col-md-6">
```

```
    <label for="inputEmail4">First Name</label>
```

```
    <input value="<?php echo $fname?>" name="txtfirstname" type="text" ..>
```

```
</div>
```

3

Transfer changed data back to database

<?php

```
if(isset($_POST["btnsubmit"])){
```

4

```
$firstname = $_POST['txtfirstname'];  
$lastname = $_POST['txtlastname'];  
$contact = $_POST['txtcontact'];  
$gender = $_POST['txtgender'];  
$address = $_POST['txtaddress'];
```

5

```
$sql2 = "UPDATE `lecturer` SET `firstname` = '$firstname',  
`lastname` = '$lastname', `gender` = '$gender', `address` = '$address',  
`contact` = '$contact' WHERE `lecturer`.`id` = $id;";
```

```
if (mysqli_query($conn, $sql2)) {  
    header("Location: LecList.php");  
} else {  
    echo "Error: " . $sql2 . "<br>" . mysqli_error($conn);  
}
```

```
}  
?>
```



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