

## Lab 8 : PHP & Database

**Title:** Database for Web Development

**Aim:** To understand MYSQL Database & its Usage in PHP

- What is a Database?
- Why we need to use a database?
- What is MySQL?

**Requirements:** Write programs that will perform the following tasks:

You have to implement 4 steps necessary to play with data from the database, those are

- 1) Create to connection to Apache Server via PHP
- 2) Select database on the server and run the query
- 3) Print results on you webpage which are resulted from the query
- 4) Try different practices to dynamically generate HTML controls from PHP

1.

```
<?php  
  
$conn = mysql_connect("localhost","root","");  
if (!$conn){  
    die("Attention no connection".mysql_error());  
}
```

2.

```
$dbcon = mysql_select_db("iict_students");  
  
if (!$dbcon)  
    die("Attention no database selected ".mysql_error());
```

3.

```
$sql = "SELECT `ID`, `Name`, `Address`, `DOB` FROM `biodata`";  
$res = mysql_query($sql);  
if (!$res)  
    die("Attention query failed ".mysql_error());
```

4.

```
while($row = mysql_fetch_array($res)){  
    echo $row['ID']." ";  
    echo $row['Name']." ";  
    echo $row['Address']." ";  
    echo $row['DOB']." ";  
    echo "<br>";  
}
```

**Note :** Use *localhost/phpmyadmin* from your browser to setup database with tables and their columns. It provides a GUI based interface to manage database and apply CRUD(Create Retrieve Update Delete) queries