

# Full stack Development

## Week 16:

**Aim:** Write a Program on connecting, fetching data from MySQL using PHP

### 16.a PHP MySQL Create Database

Since PHP 4.3, **mysql\_create\_db()** function is *deprecated*. Now it is recommended to use one of the 2 alternatives.

- **mysqli\_query()**
- **PDO::\_\_query()**

### PHP MySQLi Create Database Example

#### Example

```
<?php
$host = "localhost";
$user = "root";
$pass = "";
$conn = mysqli_connect($host, $user, $pass);
if(! $conn )
{
    die('Could not connect: ' . mysqli_connect_error());
}
echo 'Connected successfully<br/>';

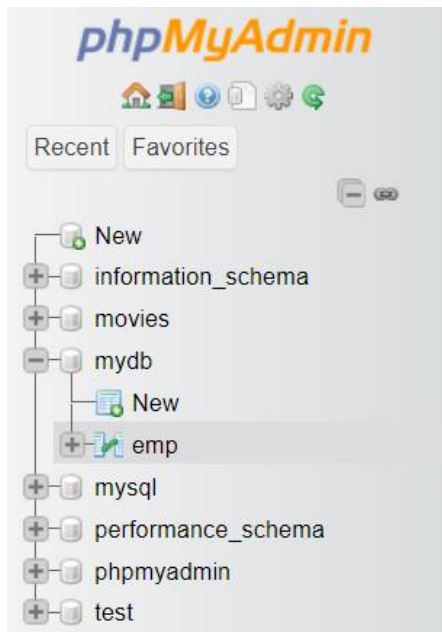
$sql = 'CREATE Database mydb';
if(mysqli_query( $conn,$sql)){
    echo "Database mydb created successfully.";
}else{
    echo "Sorry, database creation failed ".mysqli_error($conn);
}
```

```
}  
mysqli_close($conn);  
?>
```

## Output:

```
Connected successfully  
Database mydb created successfully.
```

## Mysql output:



# 16.b:PHP MySQL Create Table

PHP `mysql_query()` function is used to create table. Since PHP 5.5, **`mysql_query()`** function is *deprecated*. Now it is recommended to use one of the 2 alternatives.

- **`mysqli_query()`**
- **`PDO::__query()`**

## PHP MySQLi Create Table Example

### Example

```
<?php
$host = 'localhost:3306';
$user = 'root';
$pass = '';
$dbname = 'studentsa';

$conn = mysqli_connect($host, $user, $pass,$dbname);
if(!$conn){
    die('Could not connect: '.mysqli_connect_error());
}
echo 'Connected successfully<br/>';

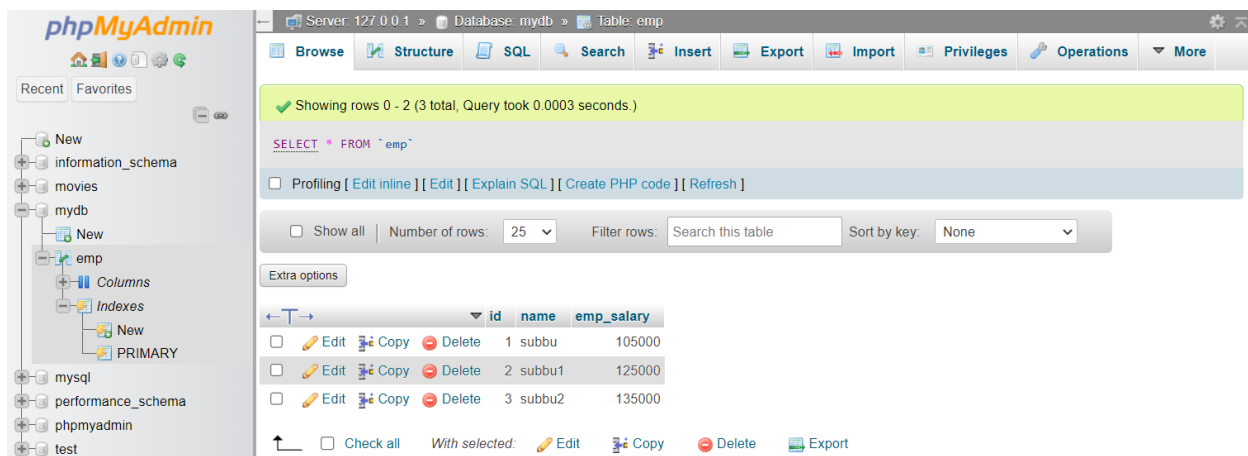
$sql = "create table emp(id INT AUTO_INCREMENT,
                        name VARCHAR(20) NOT NULL,
                        emp_salary INT NOT NULL,primary key (id))";
if(mysqli_query($conn, $sql)){
    echo "Table emp created successfully";
}
else
{
    echo "Could not create table: ". mysqli_error($conn);
}
```

```
}
mysqli_close($conn);
?>
```

## Output:

```
Connected successfully
Table emp5 created successfully
```

## Mysql output:



The screenshot shows the phpMyAdmin interface. On the left is the database navigation tree with 'mydb' selected. The main panel shows the 'emp' table structure and data. The table has 3 rows:

| id | name   | emp_salary |
|----|--------|------------|
| 1  | subbu  | 105000     |
| 2  | subbu1 | 125000     |
| 3  | subbu2 | 135000     |

## 16.c: PHP MySQL Insert Record

PHP `mysql_query()` function is used to insert record in a table. Since PHP 5.5, **`mysql_query()`** function is *deprecated*. Now it is recommended to use one of the 2 alternatives.

- **`mysqli_query()`**
- **`PDO::__query()`**

## PHP MySQLi Insert Record Example

### Example

```
<?php
```

```

$host = 'localhost:3306';
$user = 'root';
$pass = '';
$dbname = 'mydb';

$conn = mysqli_connect($host, $user, $pass,$dbname);
if(!$conn){
    die('Could not connect: '.mysqli_connect_error());
}
echo 'Connected successfully<br/>';

$sql = 'INSERT INTO emp(name,emp_salary) VALUES ("subbu", 105000);

if(mysqli_query($conn, $sql))
{
    echo "Record inserted successfully";
}
else
{
    echo "Could not insert record: ". mysqli_error($conn);
}

mysqli_close($conn);
?>

```

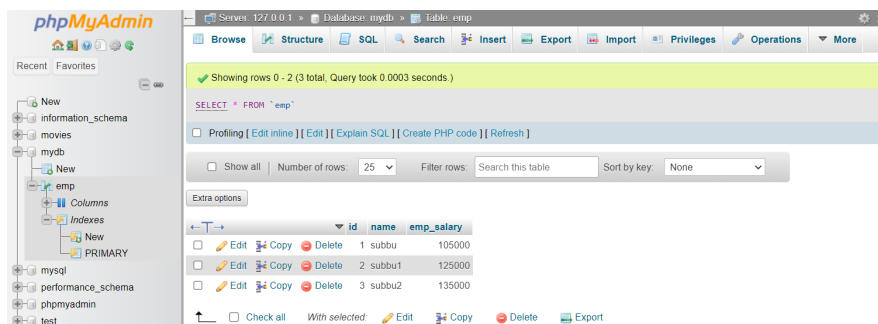
Output:

```

Connected successfully
Record inserted successfully

```

## Mysql output:



| id | name   | emp_salary |
|----|--------|------------|
| 1  | subbu  | 105000     |
| 2  | subbu1 | 125000     |
| 3  | subbu2 | 135000     |

## 16.d:PHP MySQL Select Query

PHP `mysql_query()` function is used to execute select query. Since PHP 5.5, **`mysql_query()`** function is *deprecated*. Now it is recommended to use one of the 2 alternatives.

- **`mysqli_query()`**
- **`PDO::__query()`**

There are two other MySQLi functions used in select query.

- **`mysqli_num_rows(mysqli_result $result)`**: returns number of rows.
- **`mysqli_fetch_assoc(mysqli_result $result)`**: returns row as an associative array. Each key of the array represents the column name of the table. It return NULL if there are no more rows.

### Fetching data from MySQL using PHP

#### Example

```
<?php
$host = 'localhost:3306';
$user = 'root';
$pass = '';
$dbname = 'mydb';
$conn = mysqli_connect($host, $user, $pass,$dbname);
if(!$conn)
{
    die('Could not connect: '.mysqli_connect_error());
}
echo 'Connected successfully<br/>';

$sql = 'SELECT * FROM emp';
$retval=mysqli_query($conn, $sql);

if(mysqli_num_rows($retval) > 0)
{
    while($row = mysqli_fetch_assoc($retval))
```

```

{
    echo "EMP ID :{$row['id']} <br> ".
        "EMP NAME : {$row['name']} <br> ".
        "EMP SALARY : {$row['emp_salary']} <br> ".
        "-----<br>";
} //end of while
}
else
{
    echo "0 results";
}
mysqli_close($conn);
?>

```

## Output:

Connected successfully

EMP ID :1

EMP NAME : subbu

EMP SALARY : 105000

-----

EMP ID :2

EMP NAME : subbu1

EMP SALARY : 125000

-----

EMP ID :3

EMP NAME : subbu2

EMP SALARY : 135000

-----

**Result:** Thus, in the above programs successfully executed without errors

Using php with mysql .