PHP Database Connection Step

1.Create a DB

2.Create a Table

3. Insert values

4.Retrieve values [DML]

****** Perform the steps in different files*******

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After starting xampp

go to browser and type localhost

now select the phpmyadmin option

*if any error you will have to restart the mysql server by using my these commands in terminal:

$ sudo /etc/init.d/mysql stop

$ sudo /opt/lampp/lampp restart

now reload the webpage

repeat until error is fixed.

****

1.Connection and Database creation

```php
<?php
// Creating a connection
$cc = new mysqli("localhost", "root", "");

// Check connection
if ($cc->connect_error) {
die("Connection failed: " . $cc->connect_error);
}
// Creating a database named newDB
$s = "CREATE DATABASE S3MCA";
if ($cc->query($s) === TRUE) {
echo "Database created successfully with the name S3MCA";
} else {
echo "Error creating database: " . $cc->error;
}

// closing connection
$cc->close();

?>
```

2. Table creation

```php
<?php

// checking connection
$conn = new mysqli("localhost", "root", "","S3MCA");
// Check connection
if ($conn->connect_error) {
die("Connection failed: " . $conn->connect_error);
}

// sql code to create table
$sl = "CREATE TABLE Student(
id INT(2) PRIMARY KEY,
Name VARCHAR(30) NOT NULL
)";

if ($conn->query($sl) === TRUE) {
echo "Table Student created successfully";
} else {
echo "Error creating table: " . $conn->error;
}

$conn->close();
?>
```

3. Insert to a table

```php
<?php

$conn = new mysqli("localhost", "root", "","S3MCA");
// Check connection
if ($conn->connect_error) {
die("Connection failed: " . $conn->connect_error);
}

$sql = "INSERT INTO Student(id,name)values(1,'john')";

if ($conn->query($sql) === TRUE) {
echo "New record created successfully";
} else {
echo "Error: " . $sql . "<br>" . $conn->error;
}

$conn->close();
?>
```

4.Display

```php
<?php
$conn = new mysqli("localhost", "root", "","S3MCA");
// Check connection
if ($conn->connect_error) {
die("Connection failed: " . $conn->connect_error);
}
$sql = "SELECT * FROM Student";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
// output data of each row
echo "<table border='1'> <tr>
<td>ID</td><td>Name</td></tr>";
while($row = $result->fetch_assoc()) {
echo "<tr
<td>". $row["id"]. "</td><td> " . $row["Name"]. " </td></tr><br>";

}
echo"</table>";
} else{
echo "0 results";
}
$conn->close();
?>
```