Simple Application Using PHP

Aim:

Design a form using PHP for the department with dname,dnumber,mgerssn and mgrstartdate and establish the connection with mysql.

Procedure:

1. **Create employee database in mysql.**
2. **Using employee db, Create a department table w**ith dname,dnumber,mgerssn and mgrstartdate.
3. Start the XAMPP Program Control Panel. Click on the "**Start**" button next to the "**Apache**" to start your Apache Web Server. Also, **start "MySQL"**
4. Type the **design code** in **notepad** and save it as **"design.php"** and type the connection code in **new notepad** and save it as **"connection.php"**
5. Place your PHP files in the "htdocs" folder located under the "XAMPP" folder on your drive (i.e. C). The initial path is "**C:\xampp\htdoc**s" for your Web server.
   Eg **C:\xampp\htdocs\design.php**
   C:\xampp\htdocs\connection.php
6. Open **browser type localhost/design.php** now the form design will be open**.** Fill the form and click ok. Now you can see the record will be added in the database.

Design.php

```
<!DOCTYPE HTML>
<html>
<head>
<title>Department Table</title>
<!--<link rel="stylesheet" type="text/css" href="style.css"> -->
</head>
<body>
<div id="dept"> <h3>Department table entry</h3>
<form method="POST" action="conn.php">
DName <br><input type="text" name="dname"><br>
Department number<br><input type="text" name="dnumber"><br>
MGR SSN<br><input type="text" name="mgrssn"><br>
MGR start Date<br><input type="text" name="mgrstartdate"><br>
<input type="submit" value="ok">
</form>
</div>
</body>
</html>
```
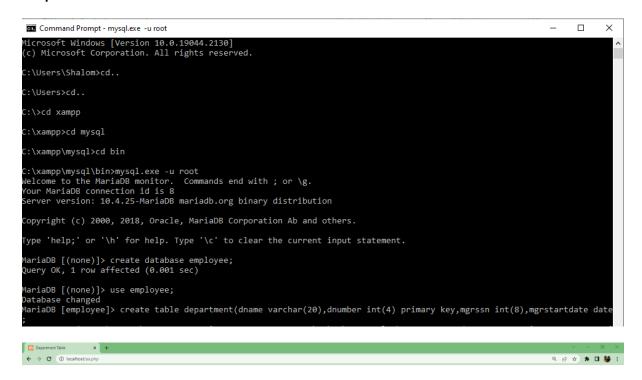
Connection.php

```php
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "employee";
// Create connection
$conn = new mysqli($servername, $username, $password,$dbname);
// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
echo "Connected successfully";
//displaying the contents
$sql="desc department";
if($conn->query($sql)==TRUE)
{
echo "<br>";
 echo "connected to the table";
}
else
{echo "error";}
//Displaying the contents
echo "<br>";
//insertion from html
$dname=$_POST['dname'];
$dnumber=$_POST['dnumber'];
$mgrssn=$_POST['mgrssn'];
$mgrstartdate=$_POST['mgrstartdate'];
$sql11="insert into department values('$dname',$dnumber,$mgrssn,'$mgrstartdate')";
if($conn->query($sql11)==TRUE)
{echo "inserted";}
else
{echo "error";}
echo "<br>";
$sql1="select * from department";
$result = $conn->query($sql1);
if ($result->num_rows > 0) {
    // output data of each row
echo "<b>DName  Dno   Mgrssn   mgrstartstate</b><br>";
    while($row = $result->fetch_assoc()) {
        echo $row["dname"]."   ". $row["dnumber"]."   ".$row["mgrssn"]."   ".$row
["mgrstartdate"]."<br>";
    }
} else {
    echo "empty table";
}
$conn->close();
?>
```

Output:

```
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Shalom>cd..

C:\Users>cd..

C:\>cd xampp

C:\xampp>cd mysql

C:\xampp\mysql>cd bin

C:\xampp\mysql\bin>mysql.exe -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 8
Server version: 10.4.25-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database employee;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> use employee;
Database changed
MariaDB [employee]> create table department(dname varchar(20),dnumber int(4) primary key,mgrssn int(8),mgrstartdate date
;
```

Department table entry

DName

[CSE]

Department number

[11]

MGR SSN

[1100]

MGR start Date

[2022-10-19]

[ok]

Connected successfully
connected to the table
inserted

DName Dno Mgrssn mgrstartstate

CSE 11 1100 2022-10-19


```
Command Prompt - mysql.exe  -u root

MariaDB [employee]> create table department(dname varchar(20),dnumber int(4) primary key,mgrssn int(8),mgrstartdate date
);
Query OK, 0 rows affected (0.008 sec)

MariaDB [employee]>
MariaDB [employee]> select * from department;
+--------+---------+---------+--------------+
| dname  | dnumber | mgrssn  | mgrstartdate |
+--------+---------+---------+--------------+
| CSE    |      11 |    1100 | 2022-10-19   |
+--------+---------+---------+--------------+
1 row in set (0.000 sec)

MariaDB [employee]>
```