

## ASSIGNMENT-7

### CREATING DATABASE USING PHP AND SQL

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1)Create PHP file to read details from html form and create a table named employee and display the result in the table format as shown below. (Use POST method)

EmpNum	EmpName	Designation	Age	Department	Salary
700001	AAAAA	Assistant Professor	36	SCOPE	10000
700001	AAAAA	Assistant Professor	56	SCOPE	10000

CODE:

**Employee1.php:**

```
<?php
\ $servername = "localhost";
$username = "root";
$password = "";
$database = "vitap_db";

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

if (!$conn){
die("Sorry we failed to connect: ". mysqli_connect_error());
}
else{
echo "Connection is successful ";
}

if($_SERVER['REQUEST_METHOD'] == 'POST')
{
```

```

$EmpNum = $_POST['EmpNum'];
$EmpName = $_POST['EmpName'];
$DOB = $_POST['DOB'];
$DOJ = $_POST['DOJ'];
$Designation = $_POST['Designation'];
$Department = $_POST['Department'];
$salary = $_POST['salary'];

$s = "INSERT INTO
employee(EmpNum,EmpName,DOB,DOJ,Designation,Department,salary) VALUES
('$EmpNum', '$EmpName', '$DOB', '$DOJ', '$Designation', '$Department', '$salary')";

$result = mysqli_query($conn, $s);

if($result){
echo "The record has been inserted successfully!<br>";
}
else{
echo "The record was not inserted successfully because of this error ---> ".
mysqli_error($conn);
}
}
?>

<html>

<form action="" method="post">

Employee Number:<input type="text" name="EmpNum"><br><br><!--creating textbox
,assign its name as EmpNum-->

Employee Name:<input type="text" name="EmpName"><br><br><!--br tag is used for
line break-->

Date Of Birth:<input type="date" name="DOB"><br><br>

Date Of Joining:<input type="date" name="DOJ"><br><br>

Designation:<input type="text" name="Designation"><br><br>

Department:<input type="text" name="Department"><br><br>

salary:<input type="text" name="salary">

<input type="submit" value="submit"><!--creating submit button on which we can
click-->

```

```
</form>
```

```
</html>
```

table.html:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta http-equiv="X-UA-Compatible" content="IE=edge">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<title>Lab6-Task1</title>
```

```
</head>
```

```
<body>
```

```
<form action="login1.php" method="post">
```

```
Table Name : &nbsp;   <input type="text" name="tname">
```

```
<input type="submit" value="Submit" name="submit">
```

```
</form>
```

login1.php:

```
<html>
```

```
    <body>
```

```
<?php
```

```
$conn= new mysqli("localhost", "root", "", "vitap_db");
```

```
$tname = $_POST["tname"];
```

```
$sql = "SELECT * FROM ".$tname;
```

```
$res=$conn->query($sql);
```

```
?>
```

```
<table border="1">
```

```
<tr>
```

```
<th>EmpNum</th>
```

```

<th>EmpName</th>
<th>DOB</th>
<th>DOJ</th>
<th>Designation</th>
<th>Department</th>
<th>salary</th>
</tr>
<?php

if($res->num_rows > 0)
{
while($row=$res->fetch_assoc())
{
?>
<tr>
<td><?php echo $row["EmpNum"]; ?></td>
<td><?php echo $row["EmpName"]; ?></td>
<td><?php echo $row["DOB"]; ?></td>
<td><?php echo $row["DOJ"]; ?></td>
<td><?php echo $row["Designation"]; ?></td>
<td><?php echo $row["Department"]; ?></td>
<td><?php echo $row["salary"]; ?></td>
</tr>
<?php
}
}
//}
$conn->close();
?></table>
<body>
</html>

```

OUTPUT:

Connection is successful The record has been inserted successfully!

Employee Number: 1234

Employee Name: ABCD

Date Of Birth: 12/02/1985

Date Of Joining: 12/01/2022

Designation: student

Department: cse

salary: 75000

submit

EmpNum	EmpName	DOB	DOJ	Designation	Department	salary
121321	ABCD	1985-12-05	2022-12-05	student	cse	75000
1234	ABCD	1985-12-02	2022-12-12	student		0
1234	ABCD	1985-12-02	2022-12-01	student	cse	75000
71	jassu	2002-03-05	2021-03-02	student	cse	10000

2)Create PHP file to read table name from html form and read employee details from student table who have highest salary in each department and display in tabular format on webpage. (Use GET method)

CODE:

Employee.php:

```
<?php
```

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

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

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

```
$database = "vitap_db";
```

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

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

```
die("Sorry we failed to connect: ". mysqli_connect_error());
```

```

}
else{
echo "Connection is successful ";
}
if($_SERVER['REQUEST_METHOD'] == 'POST')
{
$EmpNum = $_POST['EmpNum'];
$EmpName = $_POST['EmpName'];
$DOB = $_POST['DOB'];
$DOJ = $_POST['DOJ'];
$Designation = $_POST['Designation'];
$Department = $_POST['Department'];
$salary = $_POST['salary'];
$s = "INSERT INTO emp1(EmpNum,EmpName,DOB,DOJ,Designation,Department,salary)
VALUES ('$EmpNum',
'$EmpName','$DOB','$DOJ','$Designation','$Department','$salary')";
$result = mysqli_query($conn, $s);
if($result){
echo "The record has been inserted successfully!<br>";
}
else{
echo "The record was not inserted successfully because of this error ---> ".
mysqli_error($conn);
}
}
?>

<html>

<form action="" method="post">

Employee Number:<input type="text" name="EmpNum"><br><br><!--creating textbox
,assign its name as EmpNum-->

```

Employee Name:<input type="text" name="EmpName"><br><br><!--br tag is used for line break-->

Date Of Birth:<input type="date" name="DOB"><br><br>

Date Of Joining:<input type="date" name="DOJ"><br><br>

Designation:<input type="text" name="Designation"><br><br>

Department:<input type="text" name="Department"><br><br>

salary:<input type="text" name="salary">

<input type="submit" value="submit"><!--creating submit button on which we can click-->

</form>

</html>

## login2.php:

<html>

<body>

<?php

\$conn= new mysqli("localhost", "root", "", "vitap\_db");

\$sql = "SELECT EmpNum,Department,MAX(salary) FROM emp1 GROUP BY Department";  
//retriving all the records from employee table and the result will store in res variable

\$res=\$conn->query(\$sql);

?>

<table border="1"> <!--creating a table-->

<tr>

<th>EmpNum</th>

<th>Department</th>

<th>salary</th>

</tr>

<?php

if(\$res->num\_rows > 0)

```

{
while($row=$res->fetch_assoc())
{
?>

<tr><!--opening of table row-->
<td><?php echo $row["EmpNum"]; ?></td>

<td><?php echo $row["Department"]; ?></td> <!--printing the value of EmpNum
column value of a row in a particular cell of table -->

<td><?php echo $row["salary"]; ?></td> <!--printing the value of EmpNum column
value of a row in a particular cell of table -->

</tr><!--closing of table row-->

<?php
}
}
//}
$conn->close;
?>

</table>

<body>

</html>

```

table2.php:

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Q2</title>
</head>
<body>
<form action="login2.php" method="post">

```



```
Table Name : &nbsp; <input type="text" name="tname">
<input type="submit" value="Submit" name="submit">
</form>
```

3) Create PHP file to read table name from html form and update the designation and salary (Follow the norms shown in table) whose experience is more than 5 years and display the result in the table as shown below. (Use POST method)

CODE:

form1.php:

```
<?php

$servername = "localhost";
$username = "root";
$password = "";
$database = "vitap_db";
$conn = mysqli_connect($servername, $username, $password, $database);
if (!$conn){
    die("Sorry we failed to connect: ". mysqli_connect_error());
}
else{
    echo "Connection is successful ";
}
if($_SERVER['REQUEST_METHOD'] == 'POST')
{
    $r = $_POST['n'];
    $fn = $_POST['r'];
    $c = $_POST['c'];
    $i= $_POST['i'];

    $s = "INSERT INTO task1(ID,Designation,salary,Experience) VALUES
    ('$r','$fn','$c','$i')";
    $result = mysqli_query($conn, $s);
```

```

if($result){
echo "The record has been inserted successfully!<br>";
}
else{
echo "The record was not inserted successfully because of this error ---> ".
mysqli_error($conn);
}
}
?>

<html>
<form action="" method="post">
ID<input type="text" name= "n">
Designation<input type="text" name= "r">
Salary<input type="text" name= "c">
Experience<input type="text" name= "i">
<input type="submit">
</form>
</html>

```

update.php:

```

<html>
<body>
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "vitap_db";

$conn = new mysqli($servername, $username, $password, $dbname);
$tname = $_POST["tname"];
$sql = "SELECT * FROM ".$tname;
$result = $conn->query($sql);

```

```

?>
<h2>Before Updating</h2>
<table border='1'>
<tr>
<td>Id</td> <td>Designation</td>
<td>Salary</td>
<td>Experience</td>
</tr>
<?php if($result->num_rows > 0){
while($row = $result->fetch_assoc()){
?>
<tr>
<td><?php echo $row["ID"]?></td>
<td><?php echo $row["Designation"]?></td>
<td><?php echo $row["salary"]?></td>
<td><?php echo $row["Experience"]?></td>
</tr>
<?php
}
}
?>
</table>
<h2>After Updating</h2>
<?php
$sql = "UPDATE ".$tname." SET Designation='Professor' WHERE
Designation='Associate Professor' AND Experience>5";
$conn->query($sql);
$sql = "UPDATE ".$tname." SET Designation='Associate Professor' WHERE
Designation='Assistant Professor' AND Experience>5";
$conn->query($sql);
$sql = "SELECT * FROM ".$tname;

```

```

$result = $conn->query($sql);

?>

<table border='1'>

<tr>

<td>Id</td>

<td>Designation</td>

<td>Salary</td>

<td>Experience</td>

</tr>

<?php if($result->num_rows > 0){
while($row = $result->fetch_assoc()){
?>

<tr>

<td><?php echo $row["ID"]?></td>

<td><?php echo $row["Designation"]?></td>

<td><?php echo $row["salary"]?></td>

<td><?php echo $row["Experience"]?></td>

</tr>

<?php
}
}

$conn->close();

?>

</table>

</body>

</html>

```

Task1.html:

```
<!DOCTYPE html>
```

```
<html lang="en">  
  
<head>  
  
<meta charset="UTF-8">  
  
<meta http-equiv="X-UA-Compatible" content="IE=edge">  
  
<meta name="viewport" content="width=device-width, initial-scale=1.0">  
  
<title>Lab6-Task1</title>  
  
</head>  
  
<body>  
  
<form action="update.php" method="post">  
Table Name : &nbsp;   <input type="text" name="tname">  
  
<input type="submit" value="Submit" name="submit">  
  
</form>
```

OUTPUT:

- Create PHP file to read table name from html form and delete the employees details whose age > 65 and display the remaining employees' details (EmpNum, EmpName, Age) as shown in the following table.

EmpNum	EmpName	Designation	Age	Department	Salary
700001	AAAAA	Assistant Professor	36	SCOPE	10000

CODE:

form2.php:

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
```

```

$database = "vitap_db";
$conn = mysqli_connect($servername, $username, $password, $database);
if (!$conn){
die("Sorry we failed to connect: ". mysqli_connect_error());
}
else{
echo "Connection is successful ";
}
if($_SERVER['REQUEST_METHOD'] == 'POST')
{
$r = $_POST['r'];
$n = $_POST['n'];
$c = $_POST['c'];
// Sql query to be executed
$s = "INSERT INTO task2(EmployeeNumber,EmpName,Age) VALUES ('$n', '$r','$c')";
$result = mysqli_query($conn, $s);
if($result){
echo "The record has been inserted successfully!<br>";
}
else{
echo "The record was not inserted successfully because of this error ---> ".
mysqli_error($conn);
}
}
?>

<html>
<form action="" method="post">
Emp Num<input type="text" name= "n">
Emp Name<input type="text" name= "r">
Age<input type="text" name= "c">
<input type="submit">

```

```
</form>
```

```
</html>
```

update2.php:

```
<html>
```

```
<body>
```

```
<?php
```

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

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

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

```
$dbname = "vitap_db";
```

```
$conn = new mysqli($servername, $username, $password, $dbname);
```

```
$tname = $_POST["tname"];
```

```
$sql = "SELECT * FROM ".$tname;
```

```
$result = $conn->query($sql);
```

```
?>
```

```
<h2>Before Updating</h2>
```

```
<table border='1'>
```

```
<tr>
```

```
<td>EmpNum</td>
```

```
<td>EmpName</td>
```

```
<td>Age</td>
```

```
</tr>
```

```
<?php if($result->num_rows > 0){
```

```
while($row = $result->fetch_assoc()){
```

```
?>
```

```
<tr>
```

```
<td><?php echo $row["EmployeeNumber"]?></td>
```

```
<td><?php echo $row["EmpName"]?></td>
```

```
<td><?php echo $row["Age"]?></td>
```

```
</tr>
```

```
<?php
```

```

    }
}
?>
</table>
<h2>After Updating</h2>
<?php
$sql = "DELETE FROM ".$tname." WHERE Age>65";
$conn->query($sql);
$sql = "SELECT * FROM ".$tname;
$result = $conn->query($sql);
?>
<table border='1'>
<tr>
<td>Id</td>
<td>Designation</td>
<td>Salary</td>
</tr>
<?php if($result->num_rows > 0){
while($row = $result->fetch_assoc()){
?>
<tr>
<td><?php echo $row["EmployeeNumber"]?></td>
<td><?php echo $row["EmpName"]?></td>
<td><?php echo $row["Age"]?></td>
</tr>
<?php
}
}
$conn->close();
?>
</table>

```



```
</body>
```

```
</html>
```

task2.html:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta http-equiv="X-UA-Compatible" content="IE=edge">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<title>Lab6-Task1</title>
```

```
</head>
```

```
<body>
```

```
<form action="update2.php" method="post">
```

```
Table Name : &nbsp; <input type="text" name="tname">
```

```
<input type="submit" value="Submit" name="submit">
```

```
</form>
```

OUTPUT: