Department of Computer Engineering
University of Peradeniya
CO226-Database Systems
Lab Sheet Number : 08
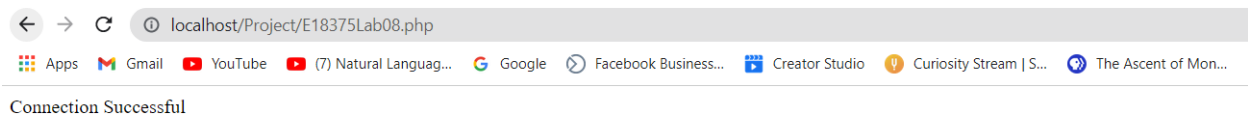**Topic** : MySQL-PHP Connectivity

Name- VINDULA K.P.A

Enumber- E/18/375

1)

```php
$dbhost='localhost:3306';
$dbuser='root';
$dbpass='123AVp@13';
$conn=mysqli_connect($dbhost,$dbuser,$dbpass);

if(! $conn){
   die('Connection Unsuccessful'.mysqli_connect_error());
}
echo 'Connection Successful';
echo '<br>';
```

localhost/Project/E18375Lab08.php

Apps M Gmail ▶ YouTube ▶ (7) Natural Languag... G Google ◇ Facebook Business... Creator Studio Curiosity Stream | S... The Ascent of Mon...

Connection Successful

2)

```php
$sql = "USE E18375lab08";
if ($conn->query($sql) === TRUE) {
  echo "Database changed";
} else {
  echo "Cannot change the database: " . $conn->error;
}
echo '<br>';

$sql = "CREATE TABLE Cars ( id INT UNSIGNED AUTO_INCREMENT PRIMARY KEY, Name VARCHAR(20), Price INT )";

if ($conn->query($sql) === TRUE) {
  echo "Cars Table created successfully";
} else {
  echo "Creating Car table-error : " . $conn->error;
}
echo '<br>';

//Insert data
$sql = "INSERT INTO Cars (Name, Price) VALUES ('Audi',52642),('Mercedes',57127),('Skoda',9000),('Volvo',29000),('Bentley',350000), ('Cetroen',210
if ($conn->query($sql) === TRUE) {
  echo "New records created successfully";
} else {
  echo "Error: " . $sql . "<br>" . $conn->error;
}
```

Connection Successful
Database changed
Cars Table created successfully
New records created successfully

Id	Name	Price
1	Audi	52642
2	Mercedes	57127
3	Skoda	9000
4	Volvo	29000
5	Bentley	350000
6	Cetroen	21000
7	Hummer	41400
8	Volkswagen	21600

3)

```php
//Modify data
$sql = "UPDATE Cars SET Price=35000 WHERE Name='Volvo'";
if ($conn->query($sql) === TRUE) {
  echo "Record update successful";
} else {
  echo "Error in updating record: " . $sql . "<br>" . $conn->error;
}
```

4)

```php
//Show data
echo "<br>";
$sql = "SELECT * FROM Cars";
$result = $conn->query($sql);
if ($result->num_rows > 0) {
    echo "<table border='1'>
      <tr>
        <th>Id</th>
        <th>Name</th>
        <th>Price</th>
      </tr>";

    // show data of each row
    while($row = $result->fetch_assoc()) {
        echo "<tr>";
            echo "<td>" . $row["id"] . "</td>";
            echo "<td>" . $row["Name"] . "</td>";
            echo "<td>" . $row["Price"] . "</td>";
        echo "</tr>";
    }
    echo "</table>";
}
else{
  echo "0 results";
}
```

3,4)

Connection Successful
Database changed
Record update successful

Id	Name	Price
1	Audi	52642
2	Mercedes	57127
3	Skoda	9000
4	Volvo	35000
5	Bentley	350000
6	Cetroen	21000
7	Hummer	41400
8	Volkswagen	21600

5)

```php
// Delete the record hummer
$sql = "DELETE FROM Cars WHERE Name='Hummer'";
if ($conn->query($sql) === TRUE) {
   echo "Record deletion successful";
} else {
   echo "Record deletion unsuccessful " . $conn->error;
}
```

Record deletion successful

FULL CODE

```php
1   <html>
2    <head>
3      <title>MySQL-PHP Connectivity</title>
4    </head>
5
6    <body>
7      <?php
8
9      $dbhost='localhost:3306';
10     $dbuser='root';
11     $dbpass='123AVp@13';
12     $conn=mysqli_connect($dbhost,$dbuser,$dbpass);
13
14     if(! $conn){
15       die('Connection Unsuccessful'.mysqli_connect_error());
16     }
17     echo 'Connection Successful';
18     echo '<br>';
19
20     //select the database and create the table
21
22     $sql = "USE E18375lab08";
23     if ($conn->query($sql) === TRUE) {
24       echo "Database changed";
25      } else {
26        echo "Cannot change the database: " . $conn->error;
```

```php
27     }
28     echo '<br>';
29
30     $sql = "CREATE TABLE Cars ( id INT UNSIGNED AUTO_INCREMENT PRIMARY KEY, Name VARCHAR(20), Price INT )";
31
32     if ($conn->query($sql) === TRUE) {
33       echo "Cars Table created successfully";
34     } else {
35       echo "Creating Car table-error : " . $conn->error;
36     }
37     echo '<br>';
38
39
40     //Insert data
41     $sql = "INSERT INTO Cars (Name, Price) VALUES ('Audi',52642),('Mercedes',57127),('Skoda',9000),('Volvo',29000),('Bentley',350000), ('Cetroen',21
42     if ($conn->query($sql) === TRUE) {
43       echo "New records created successfully";
44     } else {
45       echo "Error: " . $sql . "<br>" . $conn->error;
46     }
47
48     //Show data
49     echo "<br>";
50     $sql = "SELECT * FROM Cars";
51     $result = $conn->query($sql);
52     if ($result->num_rows > 0) {
53        echo "<table border='1'>
```

```php
54            <tr>
55                <th>Id</th>
56                <th>Name</th>
57                <th>Price</th>
58            </tr>";
59
60        // show data of each row
61         while($row = $result->fetch_assoc()) {
62            echo "<tr>";
63                echo "<td>" . $row["id"] . "</td>";
64                echo "<td>" . $row["Name"] . "</td>";
65                echo "<td>" . $row["Price"] . "</td>";
66            echo "</tr>";
67        }
68        echo "</table>";
69    }
70    else{
71      echo "0 results";
72    }
73
74 echo '<br>';
75
76
77 //Modify data
78  $sql = "UPDATE Cars SET Price=35000 WHERE Name='Volvo'";
79  if ($conn->query($sql) === TRUE) {
80    echo "Record update successful";
```

```php
81    } else {
82      echo "Error in updating record: " . $sql . "<br>" . $conn->error;
83    }
84
85    //Show data
86    echo "<br>";
87    $sql = "SELECT * FROM Cars";
88    $result = $conn->query($sql);
89    if ($result->num_rows > 0) {
90        echo "<table border='1'>
91          <tr>
92                <th>Id</th>
93                <th>Name</th>
94                <th>Price</th>
95          </tr>";
96
97        // show data of each row
98         while($row = $result->fetch_assoc()) {
99            echo "<tr>";
100               echo "<td>" . $row["id"] . "</td>";
101               echo "<td>" . $row["Name"] . "</td>";
102               echo "<td>" . $row["Price"] . "</td>";
103            echo "</tr>";
104        }
105        echo "</table>";
106    }
```

```php
    else{
        echo "0 results";
    }

    echo '<br>';

    // Delete the record hummer
    $sql = "DELETE FROM Cars WHERE Name='Hummer'";
    if ($conn->query($sql) === TRUE) {
        echo "Record deletion successful";
    } else {
        echo "Record deletion unsuccessful " . $conn->error;
    }



    mysqli_close($conn);
    ?>
</body>
</html>
```