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Course Code and Name: 2CSDE69 LAMP Technology

Practical No. 7

Aim: Create tables in the database which contain the details of items of different category. Design following web pages in PHP using database concepts:

- 1) Add category
- 2) Delete category
- 3) Update category
- 4) Display all category
- 5) Add item details
- 6) Delete item details
- 7) Update item details
- 8) Design a page in which user enter a specific category and display item(s) details belonging to entered category.

Methodology followed:

cat.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>Database</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-beta1/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body>
    <?php
    if($_SERVER["REQUEST_METHOD"] == "POST"){
        $catname=$_POST["catname"];
        $localhost="localhost";
        $username="root";
        $pass='';
        $database='Prac7';
        $con=mysqli_connect("localhost","root","","Prac7");

        if(!$con){
            echo"Connection Error : ".mysqli_connect_error()."<br>";
        }
        else{
            echo"Connected to Db";
        }

        $sql="INSERT INTO `category` (`cat_name`) VALUES ('$catname')";

        if (mysqli_query($con, $sql)) {
            echo "New record created successfully. Last inserted ID is: " . $catname;
```

```

    } else {
        echo "Error: " . $sql . "<br>" . mysqli_error($con);
    }

}
?>

<div class="container">
    <div class="row justify-content-center">
        <div class="col-md-12">

            <div class="card mt-5">
                <div class="card-header">
                    <h4>Entries in the Database</h4>
                </div>
                <div class="card-body">

                    <table class="table table-bordered">
                        <form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">

                            <div class="form-group">
                                <label for="exampleInputEmail1">Category Name</label>
                                <input type="name" name="catname" class="form-control"
id="exampleInputEmail1" placeholder="name">
                            </div>
                            <br><br>
                            <div>
                                <button type="submit" class="btn btn-primary btn-sm">Submit</button>
                            </div>

                            <br><br>
                            <div>
                                <a href="item.php" class="btn btn-secondary">Item Form</a>
                            </div>

                        </form>
                    </table>

                </div>
            </div>
        </div>
    </div>
</div>

```

```

<script src="https://code.jquery.com/jquery-3.5.1.js"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
beta1/dist/js/bootstrap.bundle.min.js"></script>
</body>
</html>

```

item.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>Item</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
beta1/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
    <?php
    if(isset($_POST['insert'])){
        $item=$_POST["itemname"];
        $catname=$_POST["catname"];
        $localhost="localhost";
        $username="root";
        $pass='';
        $database='Prac7';
        $con=mysqli_connect("localhost","root","","Prac7");

        if(!$con){
            echo"Connection Error : ".mysqli_connect_error()."<br>";
        }
        else{
            echo"Connected to Db";
        }

        $sql="INSERT INTO `item` (`item_name`, `cat_id`) VALUES ( '$item', '$catname')";
        if (mysqli_query($con, $sql)) {
            echo "New record created successfully. Last inserted ID is: " . $item;
        }

        else {
            echo "Error: " . $sql . "<br>" . mysqli_error($con);
        }
    }

```

```

}
if(isset($_POST['delete'])){
    $catname=$_POST["itemname"];
    $cid=$_POST["cid"];
    $localhost="localhost";
    $username="root";
    $pass='';
    $database='Prac6';
    $con=mysqli_connect("localhost","root","","Prac7");

    if(!$con){
        echo"Connection Error : ".mysqli_connect_error()."<br>";
    }
    else{
        echo"Connected to Db";
    }
    //Check for exist
    $c="SELECT item_id FROM item WHERE item_name='$catname' and cat_id='$cid'";

    $result=mysqli_query($con,$c);
    if(mysqli_num_rows($result)==0){

        echo "No record exists";

    }
    else{
        $sql="DELETE FROM item WHERE item_name='$catname' and cat_id='$cid'";

        if (mysqli_query($con, $sql)) {
            echo "Deleted Succesfully. Last inserted ID is: " . $catname;
        } else {
            echo "Error: " . $sql . "<br>" . mysqli_error($con);
        }

    }

}

if(isset($_POST['update'])){
    $localhost="localhost";
    $username="root";
    $pass='';
    $database='Prac7';
    $con=mysqli_connect("localhost","root","","Prac7");
    $olditem=$_POST["itemname"];
    $oldcat=$_POST['catname'];

```

```

        $newitem=$_POST["item1"];
        $sql="UPDATE item SET item_name='$newitem' WHERE item_name='$olditem' and
cat_id='$oldcat'";
        if (mysqli_query($con, $sql)) {
            if(mysqli_affected_rows($con)>0)
                echo "Record updated successfully. ";
            else
                echo "No Record updated.... ";
        } else {
            echo "Error: " . $sql . "<br>" . mysqli_error($con);
        }
    }

?>

<div class="container">
    <div class="row justify-content-center">
        <div class="col-md-12">

            <div class="card mt-5">
                <div class="card-header">
                    <h4>Entries in the Database</h4>
                </div>
                <div class="card-body">

                    <table class="table table-bordered">
                        <form method="post" action="<?php echo
htmlspecialchars($_SERVER["PHP_SELF"]);?>">

                            <div class="form-group">
                                <label for="exampleInputEmail1">Item Name</label>
                                <input type="text" name="itemname" class="form-control"
id="exampleInputEmail1" placeholder="name">
                            </div>

                                <br>
                                <select name="catname">
                                    <?php
                                    $localhost="localhost";
                                    $username="root";
                                    $pass='';
                                    $database='Prac7';
                                    $con=mysqli_connect("localhost","root","","Prac7");
                                    $categories=mysqli_query($con,"Select * from category");

```

```

        while($c=mysqli_fetch_array($categories)){

            ?>
            <option value="<?php echo $c['cat_id']?>"><?php echo
$c['cat_name']?></option>

            <?php } ?>
        </select>
        <br>

        <div class="form-group">
            <label for="exampleInputEmail1">Item to be
Deleted</label>

            <input type="name" name ="cid" class="form-control"
id="exampleInputEmail1" placeholder="name">
        </div>
        <div class="form-group">
            <label for="exampleInputEmail1">Item Name to be
updated</label>

            <input type="name" name ="item1" class="form-control"
id="exampleInputEmail1" placeholder="name">
        </div>

        <div class="form-group">
            <label for="exampleInputEmail1">Item to be
Deleted</label>

            <input type="name" name ="cid" class="form-control"
id="exampleInputEmail1" placeholder="name">
        </div>
        <div>
            <br>
            <input type="submit" name="insert" value="Insert" class="btn
btn-info"/>

            <input type="submit" name="delete" value="Delete" class="btn
btn-danger"/>

            <input type="submit" name="update" value="update" class="btn
btn-success"/>

            <a href="display7.php" class="btn btn-secondary">Display</a>

            <br>
            <br>

            <a href="cat.php" class="btn btn-warning">Category Form</a>

        </div>
    </form>
</table>

</div>

```

```

        </div>
    </div>
</div>

<script src="https://code.jquery.com/jquery-3.5.1.js"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
beta1/dist/js/bootstrap.bundle.min.js"></script>
</body>
</html>

```

display.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>Database</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-
beta1/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>

    <div class="container">
        <div class="row justify-content-center">
            <div class="col-md-12">

                <div class="card mt-5">
                    <div class="card-header">
                        <h4>Entries in the Database</h4>
                    </div>
                    <div class="card-body">

                        <table class="table table-bordered">
                            <thead>
                                <tr>
                                    <th>Item Name</th>
                                    <th>Cat Name</th>
                                    <td>Name</td>
                                    <td>Actions</td>

                                </tr>
                            </thead>
                            <tbody>

```

```

        <?php
            $con = mysqli_connect("localhost","root","","Prac7");

            $query = "SELECT p.*, c.cat_name FROM item p, category c
WHERE c.cat_id=p.cat_id";

            $query_run = mysqli_query($con, $query);

            if(mysqli_num_rows($query_run) > 0)
            {
                foreach($query_run as $row)
                {
                    ?>
                    <tr>
                        <td><?= $row['item_name']; ?></td>
                        <td><?= $row['cat_id']; ?></td>
                        <td><?= $row['cat_name']; ?></td>

                        <td>
                            <a href="edit7.php?editid=<?php echo
htmlspecialchars($row['item_id']);?>">Edit</a>
                        </td>

                    </tr>
                <?php
            }
        }
        else
        {
            ?>
            <tr>
                <td colspan="4">No Record Found</td>
            </tr>
        <?php
    }
    ?>

</tbody>

</table>

</div>
<div>
<button><a href="item.php">Back to Item Page</button>
</div>

</div>

</div>
</div>

```



```

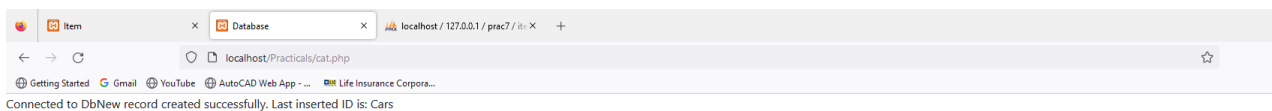
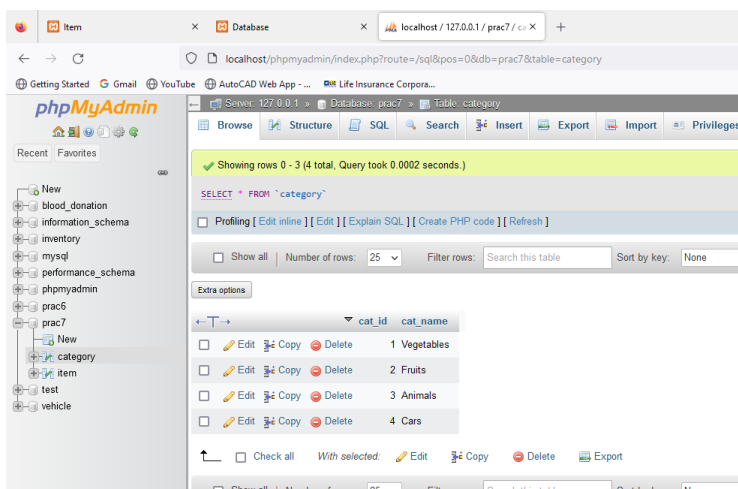
</div>

<script src="https://code.jquery.com/jquery-3.5.1.js"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-beta1/dist/js/bootstrap.bundle.min.js"></script>
</body>
</html>

```

Output:

Insert in category Table:



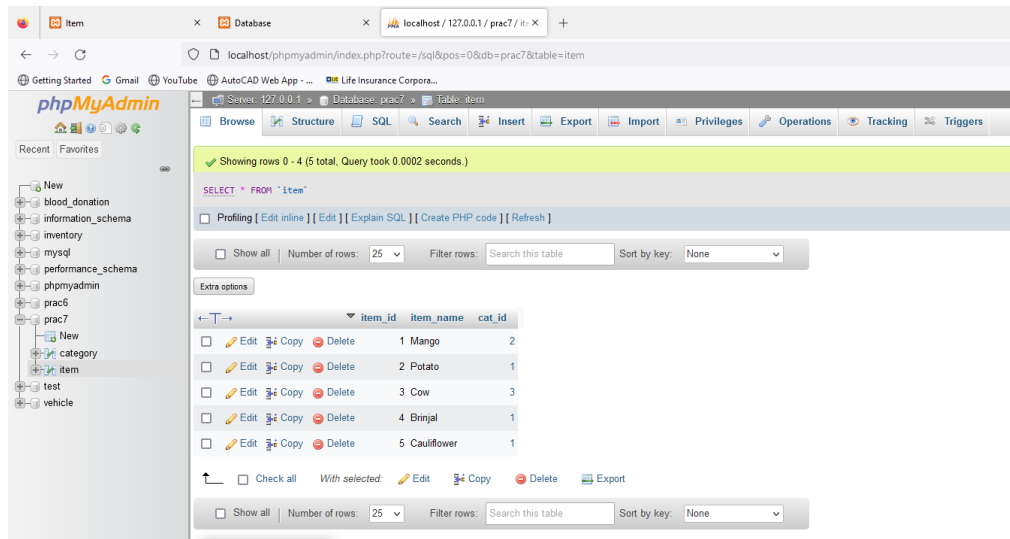
Entries in the Database

Category Name

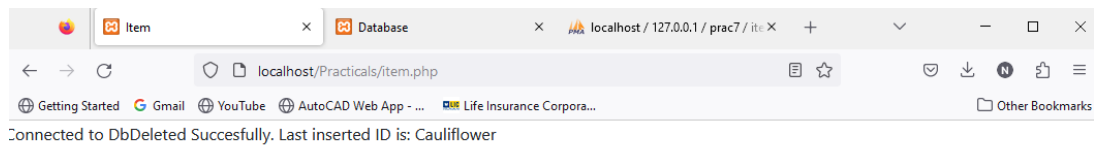
Submit

Item Form

Insert in Item table



Delete in Item Table:

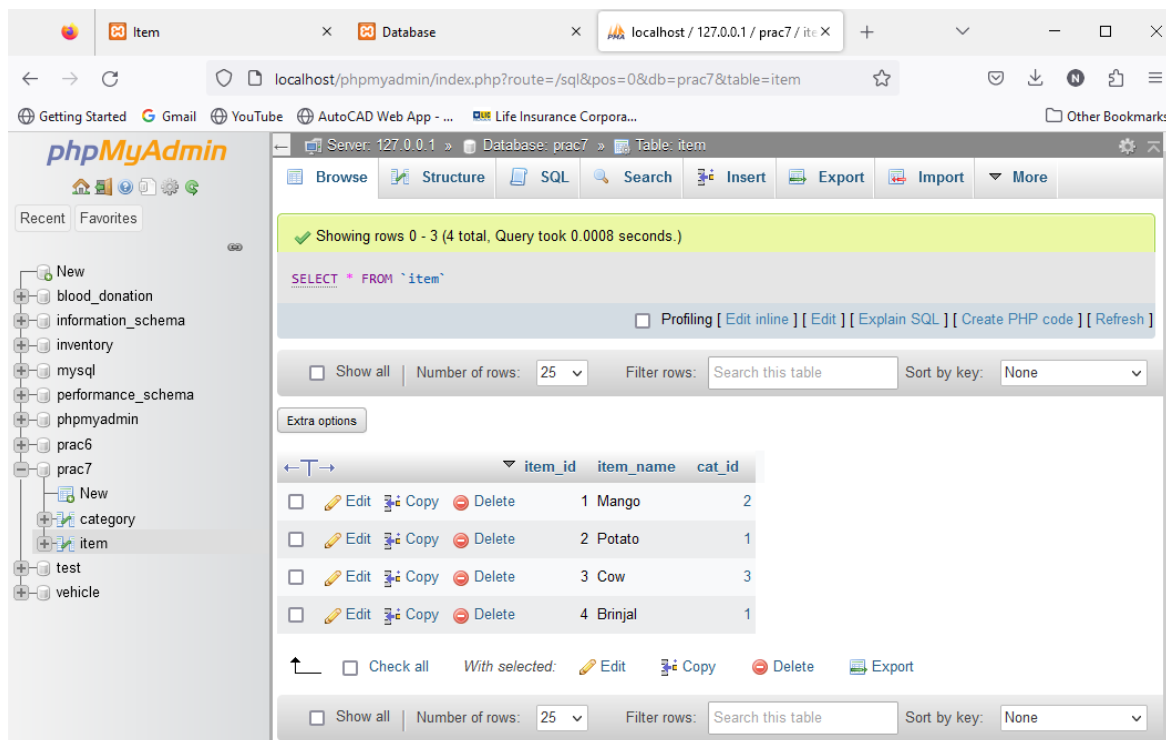


Entries in the Database

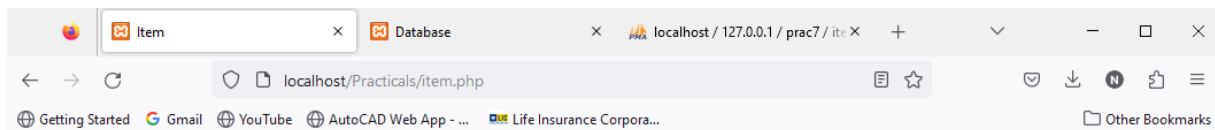
Item Name

Vegetables ▾

Item Name to be updated



Update in item Table:



Entries in the Database

Item Name

Vegetables ▾

Item Name to be updated

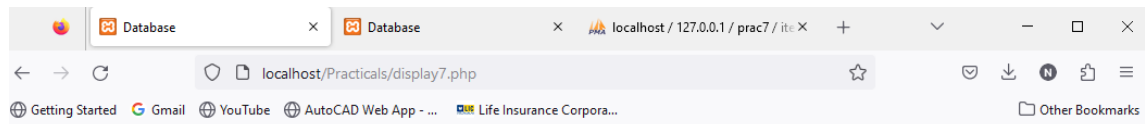
[Insert](#) [Delete](#) [update](#) [Display](#)

[Category Form](#)

A screenshot of the phpMyAdmin interface. The left sidebar shows a database structure with 'prac7' selected, containing 'category' and 'item' tables. The main panel shows the 'item' table with 4 rows. The table has columns 'item_id', 'item_name', and 'cat_id'. The data rows are: 1 Mango (cat_id 2), 2 Potato (cat_id 1), 3 Cow (cat_id 3), and 4 Tomato (cat_id 1).

item_id	item_name	cat_id
1	Mango	2
2	Potato	1
3	Cow	3
4	Tomato	1

Display Option:



Entries in the Database			
Item Name	Cat Name	Name	Actions
Potato	1	Vegetables	Edit
Tomato	1	Vegetables	Edit
Mango	2	Fruits	Edit
Cow	3	Animals	Edit

[Back to Item Page](#)

Conclusion : We learned about inserting , updating, deleting and displaying data from the database by connecting to a MySQL server.