



INTEGRATIVE PROGRAMMING AND TECHNOLOGIES I

P F C - 5 1 0 7

Topic 11 – PHP and MySQL CRUD

Preparation

```

    <h1> FORM </h1>
<?php

    if(isset($_GET['invalid'])){
        echo 'Invalid! <br/> <br/>';
    }
    if(isset($_GET['success'])){
        echo 'Successfully added! <br/> <br/>';
    }

?>

    <form action="process.php" method="POST">
        Name: <input type="text" name="name" />
        <br/>
        Email: <input type="email" name="email" >
        <br/>
        <input type="submit" name="add" value="ADD">
    </form>

```

Refer to Topic 10

index.php

Add the highlighted part into your table from Topic 10

```

echo '<thead>';
echo '<tr>';
echo '<th>ID</th>';
echo '<th>Name</th>';
echo '<th>Email</th>';
echo '<th>Actions</th>';
echo '</tr>';
echo '</thead>';
echo '<tbody>';
while($row = mysqli_fetch_assoc($res)){
    echo '<tr>';
    echo '<td>'.$row["id"].'</td>';
    echo '<td>'.$row["name"].'</td>';
    echo '<td>'.$row["email"].'</td>';
    echo '<td>
        <form action="process.php" method="POST">
            <input type="hidden" name="action_id" value="'.$row["id"].'"/>
            <input type="submit" name="upd" value="UPDATE"/>
            <input type="submit" name="del" value="DELETE"/>
        </form>
    </td>';
    echo '</tr>';
}
echo '</tbody>';

```

```
// UPDATE
if(isset($_POST['upd'])){
    $id = $_POST['action_id'];
    echo '
        <form action="process_oop.php" method="POST">
            <input type="hidden" name="new_id" value="' . $id . '" />
            <input type="text" name="new_name" />
            <input type="email" name="new_email" />
            <input type="submit" name="confirm_upd" value="CONFIRM" />
        </form>
    ';
}
```

Create process.php and add the form for update when update button is clicked

process.php

INSERT INTO Statement (Object-oriented)

```
// ADD
if(isset($_POST['add'])){
    if($_POST['name'] != '' || $_POST['email'] != ''){
        // Assigning to Variables
        $name = $_POST['name'];
        $email = $_POST['email'];
        // MySQL Query
        $sql = 'INSERT INTO users (name, email) VALUES ("'.$name.'", "'.$email.'")';
        if($conn->query($sql)){
            header('location: index_oop.php?success');
        }else{
            // echo "Err".$conn->error;
            header('location: index_oop.php?invalid');
        }
    }
    else{
        header('location: index_oop.php?invalid');
    }
}
```

SQL Query &
Execution

process.php

DELETE FROM Statement (Object-oriented)

```
// DELETE
if(isset($_POST['del'])){
    $id = $_POST['action_id'];
    $sql = 'DELETE FROM users WHERE id="'. $id ."'";
    if($conn->query($sql)){
        header('location: index_oop.php');
    }else{
        echo "Err". $conn->error;
    }
}
```

process.php

SQL Query &
Execution

UPDATE Statement (Object-oriented)

```

if(isset($_POST['confirm_upd'])){
    if($_POST['new_name'] != '' || $_POST['new_email'] != ''){
        // Assigning to Variables
        $id = $_POST['new_id'];
        $name = $_POST['new_name'];
        $email = $_POST['new_email'];
        // MySQL Query
        $sql = 'UPDATE users SET name = "'. $name .'", email = "'. $email .'" WHERE id = "'. $id .'"';
        if($conn->query($sql)){
            header('location: index_oop.php?success');
        }else{
            // echo "Err". $conn->error;
            header('location: index_oop.php?invalid');
        }
    }
    else{
        header('location: index_oop.php?invalid');
    }
}

```

SQL Query & Execution

process.php

INSERT INTO Statement (Procedural)

```
// ADD
if(isset($_POST['add'])){
    if($_POST['name'] != '' || $_POST['email'] != ''){
        // Assigning to Variables
        $name = $_POST['name'];
        $email = $_POST['email'];
        // MySQL Query
        $sql = 'INSERT INTO users (name, email) VALUES ("'.$name.'", "'.$email.'")';
        if(mysqli_query($conn, $sql)){
            header('location: index_procedural.php?success');
        }else{
            // echo "Err".mysqli_error($conn);
            header('location: index_procedural.php?invalid');
        }
        mysqli_close($conn);
    }
    else{
        header('location: index_procedural.php?invalid');
    }
}
```

SQL Query &
Execution

process.php

DELETE FROM Statement (Procedural)

```
// DELETE
if(isset($_POST['del'])){
    $id = $_POST['action_id'];
    $sql = 'DELETE FROM users WHERE id="'. $id ."'";
    if(mysqli_query($conn, $sql)){
        header('location: index_procedural.php');
    }else{
        echo "Err".mysqli_error($conn);
    }
}
```

process.php

SQL Query &
Execution

UPDATE Statement (Procedural)

```

if(isset($_POST['confirm_upd'])){
    if($_POST['new_name'] != '' || $_POST['new_email'] != ''){
        // Assigning to Variables
        $id = $_POST['new_id'];
        $name = $_POST['new_name'];
        $email = $_POST['new_email'];
        // MySQL Query
        $sql = 'UPDATE users SET name = "'. $name .'", email = "'. $email .'" WHERE id = "'. $id ."'
            ";
        if($conn->query($sql)){
            header('location: index_oop.php?success');
        }else{
            // echo "Err". $conn->error;
            header('location: index_oop.php?invalid');
        }
    }
    else{
        header('location: index_oop.php?invalid');
    }
}
}

```

SQL Query &
Execution

process.php

END OF TOPIC 11