

Exno: 6	CRUD OPERATION USING PHP
Date:	

Aim:

Create a web application that allows users to perform CRUD (Create, Read, Update, Delete) operations on a database using PHP.

Description:

1. **Create Database:** Start by creating a MySQL database. You can use phpMyAdmin or a similar tool to create a database named `crud_example`.
2. **Create Table:** Create a table named `users` with columns `id` (INT, primary key, auto_increment), `name` (VARCHAR), `email` (VARCHAR), and `phone` (VARCHAR).
3. **Connect to Database** Create a PHP script to connect to the database. Use the `mysqli` extension to establish a connection.
4. **Create Read Operation (Display Users):** Create a PHP script to retrieve and display the list of users from the database.
5. **Create Create Operation (Add User):** Create a PHP script to insert a new user into the database. Use a form to collect user information (name, email, phone) and submit it to the PHP script for insertion.
6. **Create Update Operation (Edit User):** Create a PHP script to update an existing user's information. Use a form to display the user's current information and allow the user to update it.
7. **Create Delete Operation (Delete User):** Create a PHP script to delete a user from the database. Provide a button or link to delete a user and confirm the deletion.
8. **Testing:** Test the CRUD operations to ensure they work correctly. Add, edit, and delete users to verify the functionality.
9. **Security:** Implement security measures to protect your application from SQL injection and other common attacks. Use prepared statements to handle user input securely.
10. **User Interface :** Create a user-friendly interface for your application using HTML, CSS, and JavaScript to enhance the user experience.

INDEX.HTML:

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Document</title>

</head>

<body>

    <form action="crud.php" method="post">

        <input type="text" name="fname"><br>

        <input type="text" name="email"><br>

        <input type="text" name="oper"><br>

        <input type="submit" value="submit" name="btn">

    </form>

</body>

</html>
```

CRUD.PHP:

```
<?php

$server = "localhost";

$user = "root";

$pass = "";

$db = "iwt";
```

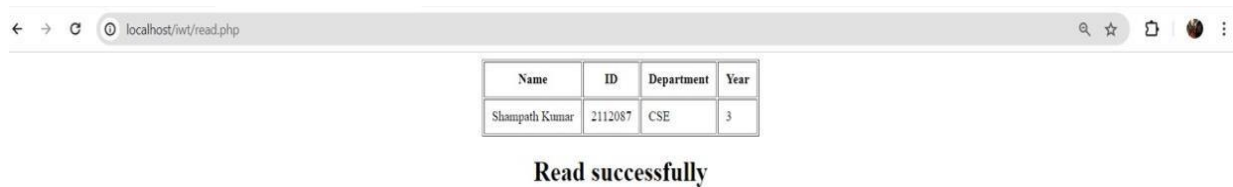
```
$conn = mysqli_connect($server,$user,$pass,$db);

if(!$conn){
    die("Error");
}

if(isset($_POST['btn'])){
    $name=$_POST['fname'];
    $email=$_POST['email'];
    $oper = $_POST['oper'];
    if($oper=='insert'){
        $query = "insert into example values('$name','$email')";
        if(mysqli_query($conn,$query)){
            echo "inserted";
        }
        else{
            echo "insert failed";
        }
    }
    else if($oper=="update"){
        $query = "update example set email='$email' where name='$name'";
        if(mysqli_query($conn,$query)){
            echo "updated";
        }
        else{
            echo "not updated";
        }
    }
}
```

```
}  
else if($oper=="delete"){  
    $query = "delete from example where name='$name'";  
    if(mysqli_query($conn,$query)){  
        echo "deleted";  
    }  
    else{  
        echo "not deleted";  
    }  
}  
else if($oper=="read"){  
    $query="select * from example where name='$name'";  
    $res = mysqli_query($conn,$query);  
  
    if($res){  
        echo "<html><body>";  
        echo "<center><table border='1' cellpadding='10'>";  
        echo "<th>Name</th><th>Email</th>";  
        while($row = mysqli_fetch_assoc($res)){  
            echo "<tr><td>". $row['name'] . "</td><td>". $row['email'] . "</td></tr>";  
        }  
        echo "</table>";  
        echo "<h1>Read successfully</h1></center></body></html>";  
    }  
}
```

```
}
?>
```

OUTPUT:


Problem Understanding (5)	Implementation & Output (5)	Time Management (5)	Viva (5)	Total (20)

Result:

Thus the php code was successfully executed using html,java file and the output was verified.