

CRUD USING PHP (Create, Read, Update and Delete on Database)

Create Database and Table using following Sql Syntax....

```
create database test;
```

```
CREATE TABLE `users` (  
  `id` int(11) NOT NULL auto_increment,  
  `name` varchar(100) NOT NULL,  
  `age` int(3) NOT NULL,  
  `email` varchar(100) NOT NULL,  
  PRIMARY KEY (`id`)  
);
```

Index.php

```
<?php
```

```
//including the database connection file  
include_once("config.php");
```

```
//fetching data in descending order (lastest entry first)  
$result=mysql_query("SELECT * FROM users ORDER BY id DESC");  
?>
```

```
<html>  
<title>Homepage</title>  
<body>  
<a href="add.html">Add New Data</a><br/><br/>  
<?php
```

```
echo "<table width='80%' border=0>";
```

```
echo "<tr bgcolor='#CCCCCC'>";  
echo "<td>Name</td>";  
echo "<td>Age</td>";  
echo "<td>Email</td>";  
echo "<td>Update</td>";  
echo "</tr>";
```

```
while($res=mysql_fetch_array($result)){
```

```
    echo "<tr>";  
    echo "<td>". $res['name']. "</td>";  
    echo "<td>". $res['age']. "</td>";  
    echo "<td>". $res['email']. "</td>";  
    echo "<td><a href=\"edit.php?id=$res[id]\">Edit</a> | <a  
    href=\"delete.php?id=$res[id]\">Delete</a></td>";
```

```
}  
echo "</table>";  
?>
```

```
</body>  
</html>
```

Config.php

```
<?php
$conn = mysql_connect("localhost","root","")
or die("cannot connected");
mysql_select_db("test",$conn);
?>
```

Add.HTML

```
<html>
<head>
<title>Add Data</title>
</head>

<body>
<a href="index.php">Home</a>
<br/><br/>
<form action="add.php" method="post" name="form1">
  <table width="25%" border="0">
    <tr>
      <td>Name</td>
      <td><input type="text" name="name"></td>
    </tr>
    <tr>
      <td>Age</td>
      <td><input type="text" name="age"></td>
    </tr>
    <tr>
      <td>Email</td>
      <td><input type="text" name="email"></td>
    </tr>
    <tr>
      <td></td>
      <td><input type="submit" name="Submit" value="Add"></td>
    </tr>
  </table>

</form>
</body>
</html>
```

Add.php

```
<html>
<head>
<title>Add Data</title>
</head>

<body>
<?php
//including the database connection file
include_once("config.php");
```

```

if(isset($_POST['Submit']))
{

    $name=$_POST['name'];
    $age=$_POST['age'];
    $email=$_POST['email'];

    // checking empty fields
    if(empty($name) || empty($age) || empty($email))
    {
        //if name field is empty
        if(empty($name))
        {
            echo "<font color='red'>Name field is empty.</font><br/>";
        }
        //if age field is empty
        if(empty($age))
        {
            echo "<font color='red'>Age field is empty.</font><br/>";
        }
        //if email field is empty
        if(empty($email))
        {
            echo "<font color='red'>Email field is empty.</font><br/>";
        }

        //link to the previous page
        echo "<br/><a href='javascript:self.history.back();'>Go Back</a>";
    }
    else // if all the fields are filled (not empty)
    {
        //insert data to database
        $result=mysql_query("INSERT INTO users(name,age,email)
        VALUES('$name','$age','$email')");

        //display success message
        echo "<font color='green'>Data added successfully.";
        echo "<br/><a href='index.php'>View Result</a>";
    }
}
?>

</body>
</html>

```

Delete.php

```

<?php
//including the database connection file
include("config.php");

//getting id of the data from url
$id = $_GET['id'];

//deleting the row from table
$result=mysql_query("DELETE FROM users where id=$id");

```

```
//redirecting to the display page (index.php in our case)
header("Location: index.php");
?>
```

Edit.php

```
<?php
//including the database connection file
include_once("config.php");

if(isset($_POST['update']))
{
    //here the id that we post is the same id that we get from url
    //id indicates the id of this data which we are editing
    //id is unique and a particular id is associated with particular data
    $id = $_POST['id'];

    $name=$_POST['name'];
    $age=$_POST['age'];
    $email=$_POST['email'];

    // checking empty fields
    if(empty($name) || empty($age) || empty($email))
    {
        //if name field is empty
        if(empty($name))
        {
            echo "<font color='red'>Name field is empty.</font><br/>";
        }
        //if age field is empty
        if(empty($age))
        {
            echo "<font color='red'>Age field is empty.</font><br/>";
        }
        //if email field is empty
        if(empty($email))
        {
            echo "<font color='red'>Email field is empty.</font><br/>";
        }
    }
    else
    {
        //updating the table
        $result=mysql_query("UPDATE users SET
name='$name',age='$age',email='$email' WHERE id=$id");

        //redirectig to the display page. In our case, it is index.php
        header("Location: index.php");
    }
}
?>
<?php
//for displaying data of this particular data

//getting id from url
```

```

$id = $_GET['id'];

//selecting data associated with this particular id
$result=mysql_query("select * from users where id=$id");

while($res=mysql_fetch_array($result))
{
    $name = $res['name'];
    $age = $res['age'];
    $email = $res['email'];
}
?>
<html>
<title>Edit Data</title>
<body>
<a href="index.php">Home</a>
<br/><br/>
<form name="form1" method="post" action="edit.php">
<table border="0">
    <tr>
        <td>Name</td>
        <td>
            <input type="text" name="name" value=<?php echo $name;?>>    </td>
    </tr>
    <tr>
        <td>Age</td>
        <td>
            <input type="text" name="age" value=<?php echo $age;?>>    </td>
    </tr>
    <tr>
        <td>Email</td>
        <td>
            <input type="text" name="email" value=<?php echo $email;?>>    </td>
    </tr>
    <tr>
        <td><input type="hidden" name="id" value=<?php echo $_GET['id'];?>>    </td>
        <td><input type="submit" name="update" value="Update"></td>
    </tr>
</table>
</form>

</body>
</html>

```