**Aim:** Design a webpage to demonstrate the working of a simple stored procedure and parameterized stored procedure.

### Code:

1. **Consider a scenario where you are developing a web application using ASP.NET and MySQL.**
   * Use a stored procedure to retrieve data from MYSQL.
   * You have a table named in your MySQL database with , and

Users

|  |  |
| --- | --- |
| columns | Username |
| GetUsers |  |

Email. Initially, you have to create a stored procedure named to retrieve the list of all users from the table.

Users

* + This procedure is used in ASP.Net page to Display all data on browser

Prac5.aspx.cs using System; using System.Data;

using MySql.Data.MySqlClient;

namespace practical\_5

{

public partial class myusers : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

if (!IsPostBack)

{

BindGridView();

}

}

private void BindGridView()

{

string connectionString = "server=localhost;database=awt;uid=root;password=root;"; using (MySqlConnection connection = new MySqlConnection(connectionString))

{

using (MySqlCommand command = new MySqlCommand("GetUsers", connection))

{

command.CommandType = CommandType.StoredProcedure;

using (MySqlDataAdapter adapter = new MySqlDataAdapter(command))

{

DataTable dtUsers = new DataTable(); adapter.Fill(dtUsers); GridViewUsers.DataSource = dtUsers; GridViewUsers.DataBind();

}

}

}

}

}

### Output:

### 

### 

### 

**2. Consider a scenario where you are developing a web application using ASP.NET and**

**MySQL. (self Study)**

• Use a stored procedure to retrieve data from MYSQL.

• You have a table named

mobile,city

in your MySQL database with columns

. Initially, you have to create a stored procedure

named Getemp to retrieve the list of all employtees from the

• Then create one more stored procedure named

table.

to retrieve the list of all

employee full name and city from the table.

• This procedure is used in ASP.Net pages to Display all data on browser. Create separate

pages for Getemp and Getempcity.

**Code:**

**myusers.aspx**

using System;

using System.Data;

using MySql.Data.MySqlClient;

namespace practical\_5

{

public partial class myusers : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

if (!IsPostBack)

{

}

}

void GetStudentDetails(int studentId)

{

string connectionString = "server=localhost;database=db;uid=root;password=root;"; using (MySqlConnection connection = new MySqlConnection(connectionString))

{

using (MySqlCommand command = new MySqlCommand("Getempdetails", connection))

{

command.CommandType = CommandType.StoredProcedure; command.Parameters.AddWithValue("@E\_ID", studentId);

using (MySqlDataAdapter adapter = new MySqlDataAdapter(command))

{

DataTable dtStudent = new DataTable(); adapter.Fill(dtStudent);

if (dtStudent.Rows.Count == 0)

{

lbl\_err.Text = "No Such ID found";

}

GridViewEmp.DataSource = dtStudent; GridViewEmp.DataBind();

}

}

}

}

protected void Button1\_Click(object sender, EventArgs e)

{

int studentId;

if (int.TryParse(txtStudentId.Text, out studentId))

{

GetStudentDetails(studentId);

}

else

{

lbl\_err.Text = "you have entered wrong ID";

}

}

}

}

**empDeatils.aspx:**

using MySql.Data.MySqlClient; using System;

using System.Collections.Generic; using System.Data;

using System.Linq; using System.Web; using System.Web.UI;

using System.Web.UI.WebControls;

namespace practical\_5

{

public partial class empDeatils : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

if (!IsPostBack)

{

GetStudentDetails();

}

}

void GetStudentDetails()

{

string connectionString = "server=localhost;database=db;uid=root;password=root;"; using (MySqlConnection connection = new MySqlConnection(connectionString))

{

using (MySqlCommand command = new MySqlCommand("Getempcity", connection))

{

command.CommandType = CommandType.StoredProcedure;

using (MySqlDataAdapter adapter = new MySqlDataAdapter(command))

{

DataTable dtStudent = new DataTable(); adapter.Fill(dtStudent);

GridViewEmp.DataSource = dtStudent; GridViewEmp.DataBind();

}

}

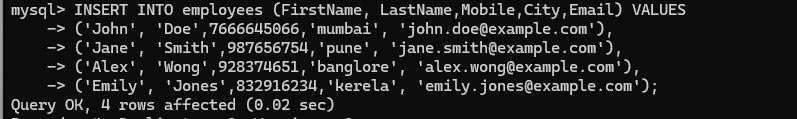
}

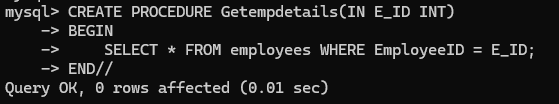
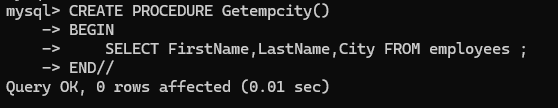
}

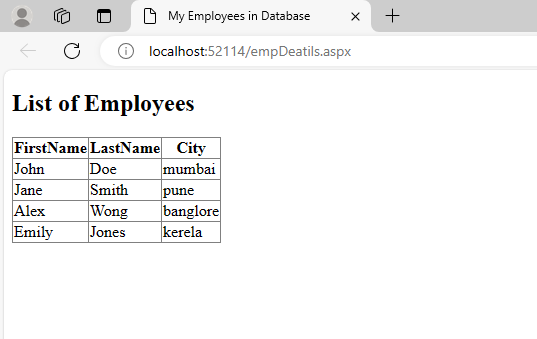
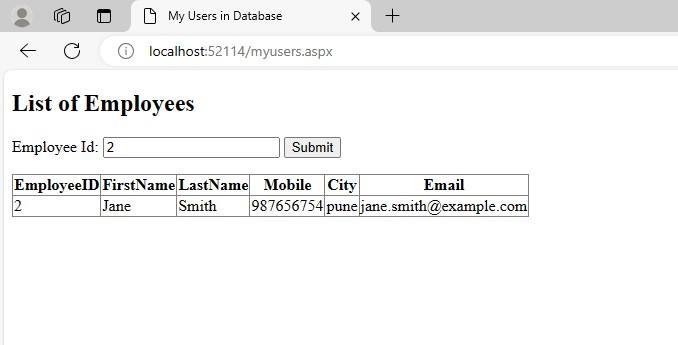
}

}

### Output:







**3 Consider a scenario where you are developing a web application using ASP.NET and MySQL.**

* Develop a web Page using ASP.NET and MySQL for managing student records. You have a table named Students in your MySQL database with columns StudentID, FirstName, LastName, and Email.
* implemented a parameterized stored procedure named GetStudentByID to retrieve the details of a student by their StudentID.

### Code:

using System;

using MySql.Data.MySqlClient;

using System.Data;

namespace practical\_5\_3

{

public partial class mystudent : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void btnGetStudent\_Click(object sender, EventArgs e)

{

int studentId;

if (int.TryParse(txtStudentId.Text, out studentId))

{

GetStudentDetails(studentId);

}

else

{

lbl\_err.Text = "you have entered wrong ID";

}

}

private void GetStudentDetails(int studentId)

{

string connectionString = "server=localhost;database=awt;uid=root;password=root;";

using (MySqlConnection connection = new MySqlConnection(connectionString))

{

connection))

using (MySqlCommand command = new MySqlCommand("GetStudentByID",

{

command.CommandType = CommandType.StoredProcedure; command.Parameters.AddWithValue("@S\_ID", studentId);

using (MySqlDataAdapter adapter = new MySqlDataAdapter(command))

{

DataTable dtStudent = new DataTable(); adapter.Fill(dtStudent);

if (dtStudent.Rows.Count==0)

{

lbl\_err.Text = "No Such ID found";

}

GridViewStudentDetails.DataSource = dtStudent; GridViewStudentDetails.DataBind();

}

}

}

}

}

}

}

### Output:

