Bahria University

Karachi Campus



LAB EXPERIMENT NO.

09

LIST OF TASKS

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| --- | --- |
| **TASK NO** | **OBJECTIVE** |
|  | Create a CRUD windows form application for students data using “One procedure for all CRUD operations” (use IF Else concept ) |
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Submitted On:

**24-05-2023**

(Date: DD/MM/YY)

**Task # 01:**

**soluton:**

**CREATE PROCEDURE InsertData**

@name varchar(50),

@address varchar(50),

@dept varchar(50)

AS

BEGIN

INSERT INTO emp (name,address, department)

VALUES (@name, @address,@dept);

end

exec insertdata 'ali','khi','bse';

***CREATE PROCEDURE GetData***

AS

BEGIN

SET NOCOUNT ON;

SELECT \*

FROM emp;

END

**CREATE PROCEDURE UpdateData**

@id int,

@name varchar(50),

@address varchar(50),

@dept varchar(50)

AS

BEGIN

SET NOCOUNT ON;

-- Update statement

UPDATE emp

SET name = @name,

address = @address,

department=@dept

WHERE id=@id;

-- You can add more columns and values to update, and customize the WHERE clause based on your requirements

END

EXEC UpdateData 1,'faiq','khi','bse'

**create procedure deletedata1**

@id int

--@name varchar(50),

--@address varchar(50),

--@dept varchar(50)

AS

BEGIN

delete from emp where id=@id;

end

go

exec deletedata1 1;

**c# code:**

; using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Data.SqlClient;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace WindowsFormsApplication1

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

SqlConnection cn;

SqlCommand cmd;

SqlDataAdapter da;

SqlDataReader dr;

private void Form1\_Load(object sender, EventArgs e)

{

cn = new SqlConnection(@"Data Source=WS-033NCMSPL-3;Initial Catalog=testdb;User ID=sa;Password=bimcs");

cn.Open();

GetAllEmployeeRecord();

}

private void GetAllEmployeeRecord()

{

cmd = new SqlCommand("GetData", cn);

cmd.CommandType = CommandType.StoredProcedure;

da = new SqlDataAdapter(cmd);

DataTable dt = new DataTable();

da.Fill(dt);

dataGridView1.DataSource = dt;

}

private void INSERT\_Click(object sender, EventArgs e)

{

if (txt\_name.Text!=string.Empty && txt\_address.Text!=string.Empty&& txt\_dept.Text!=string.Empty)

{

cmd = new SqlCommand("InsertData", cn);

cmd.CommandType = CommandType.StoredProcedure;

cmd.Parameters.AddWithValue("@name", txt\_name.Text);

cmd.Parameters.AddWithValue("@address", txt\_address.Text);

cmd.Parameters.AddWithValue("@dept", txt\_dept.Text);

cmd.ExecuteNonQuery();

MessageBox.Show("record insert sucessfully");

GetAllEmployeeRecord();

txt\_name.Text = "";

txt\_address.Text = "";

txt\_dept.Text = "";

}

else

{

MessageBox.Show("error");

}

}

private void UPDATE\_Click(object sender, EventArgs e)

{

if ( txt\_id.Text!=string.Empty &&txt\_name.Text != string.Empty && txt\_address.Text != string.Empty && txt\_dept.Text != string.Empty)

{

cmd = new SqlCommand("UpdateData", cn);

cmd.CommandType = CommandType.StoredProcedure;

cmd.Parameters.AddWithValue("@id", txt\_id.Text);

cmd.Parameters.AddWithValue("@name", txt\_name.Text);

cmd.Parameters.AddWithValue("@address", txt\_address.Text);

cmd.Parameters.AddWithValue("@dept", txt\_dept.Text);

cmd.ExecuteNonQuery();

MessageBox.Show("record updated sucessfully");

GetAllEmployeeRecord();

txt\_id.Text = "";

txt\_name.Text = "";

txt\_address.Text = "";

txt\_dept.Text =”” ;

}

else

{

MessageBox.Show("error");

}

}

private void DELETE\_Click(object sender, EventArgs e)

{

cmd = new SqlCommand("deletedata1", cn);

cmd.CommandType = CommandType.StoredProcedure;

cmd.Parameters.AddWithValue("@id", txt\_id.Text

cmd.ExecuteNonQuery();

MessageBox.Show("record deleted sucessfully");

GetAllEmployeeRecord();}

private void dataGridView1\_Click(object sender, EventArgs e)

{

txt\_id.Text = dataGridView1.SelectedRows[0].Cells[0].Value.ToString();

txt\_name.Text = dataGridView1.SelectedRows[0].Cells[1].Value.ToString();

txt\_address.Text = dataGridView1.SelectedRows[0].Cells[2].Value.ToString();

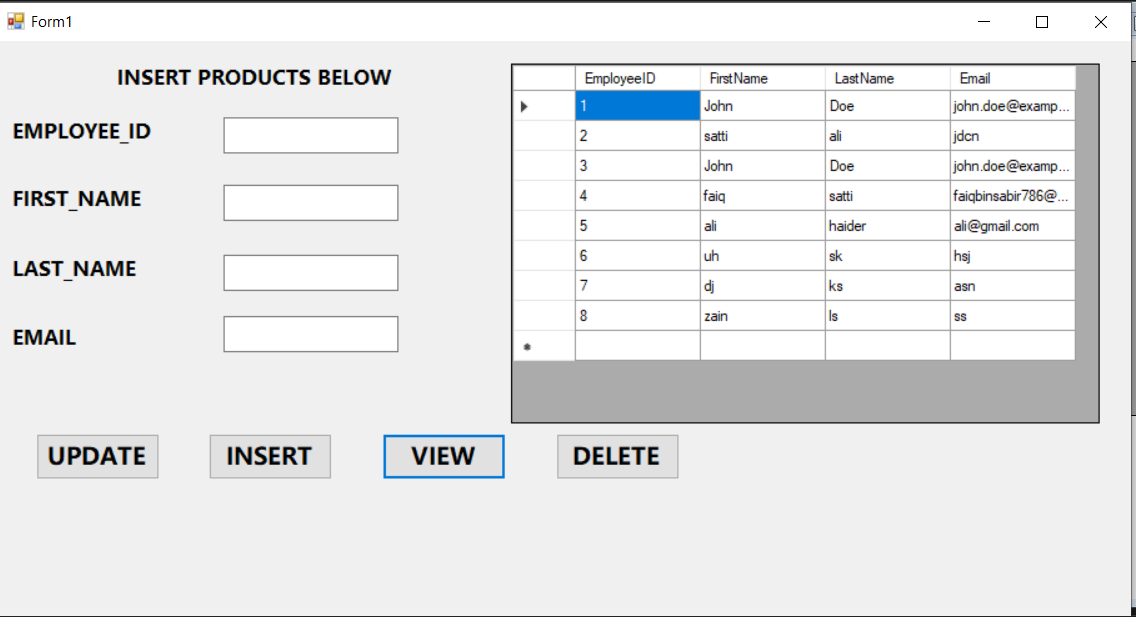
txt\_dept.Text = dataGridView1.SelectedRows[0].Cells[3].Value.ToString();

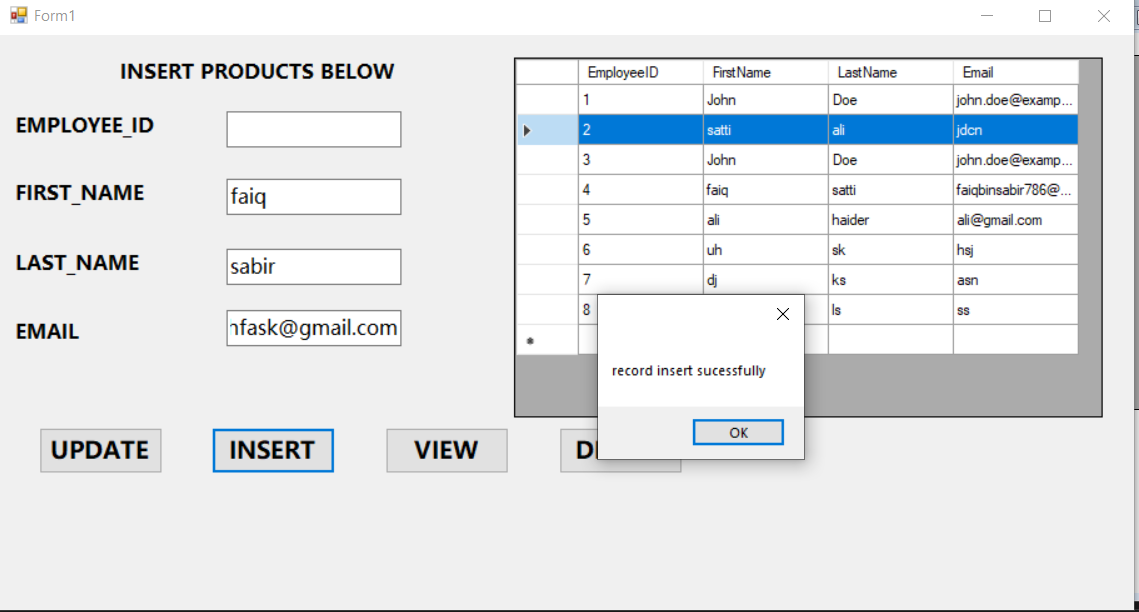
}

}

}

**Output:**

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