**Database Lab 10**

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Code:

using System;

using System.Data;

using System.Drawing;

using System.Drawing.Drawing2D;

using System.Data.SqlClient;

namespace WinFormsApp1

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

public string constring = "Data Source=DESKTOP-BID4H6M\\SQLEXPRESS;Initial Catalog=LAB10;Integrated Security=True";

SqlCommand cmd;

private void label1\_Click(object sender, EventArgs e)

{

}

private void submit\_record\_Click(object sender, EventArgs e)

{

SqlConnection con=new SqlConnection(constring);

con.Open();

if (con.State == System.Data.ConnectionState.Open)

{

cmd = new SqlCommand("insert into Table\_1(Name,Address,CNIC,Class,Section,[Roll No],[D.O.B]) values(@Name,@Address,@CNIC,@Class,@Section,@RollNO,@DOB)", con);

cmd.Parameters.AddWithValue("@Name", name\_Box.Text);

cmd.Parameters.AddWithValue("@Address", address\_box.Text);

cmd.Parameters.AddWithValue("@CNIC", cnic\_Box.Text);

cmd.Parameters.AddWithValue("@Class", class\_Box.Text);

cmd.Parameters.AddWithValue("@Section", Section\_Box.Text);

cmd.Parameters.AddWithValue("@RollNo", Roll\_Box.Text);

cmd.Parameters.AddWithValue("@DOB", dob\_Box.Text);

cmd.ExecuteNonQuery();

MessageBox.Show("Data Inserted");

}

con.Close();

}

private void Section\_Box\_TextChanged(object sender, EventArgs e)

{

}

private void search\_btn\_Click(object sender, EventArgs e)

{

SqlConnection con = new SqlConnection(constring);

con.Open();

if (con.State == System.Data.ConnectionState.Open)

{

DataTable dt = new DataTable();

SqlDataAdapter adapter = new SqlDataAdapter("select \* from Table\_1 where cnic =" +cnic\_Box.Text, con);

adapter.Fill(dt);

DGV.DataSource = dt;

con.Close();

}

con.Close();

}

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

{

}

private void search\_part\_Click(object sender, EventArgs e)

{

}

private void update\_record\_Click(object sender, EventArgs e)

{

if(name\_Box.Text!=" " && address\_box.Text!=" " && cnic\_Box.Text!=" " && class\_Box.Text!=" " && Section\_Box.Text!=" " && Roll\_Box.Text!=" " && dob\_Box.Text!=" ")

{

SqlConnection con = new SqlConnection(constring);

cmd = new SqlCommand("update Table\_1 set Name=@Name,Address=@Address, CNIC=@CNIC, Class=@Class, Section=@Section ,[Roll No]=@RollNo where [D.O.B]=@DOB", con);

con.Open();

cmd.Parameters.AddWithValue("@Name", name\_Box.Text);

cmd.Parameters.AddWithValue("@Address", address\_box.Text);

cmd.Parameters.AddWithValue("@CNIC", cnic\_Box.Text);

cmd.Parameters.AddWithValue("@Class", class\_Box.Text);

cmd.Parameters.AddWithValue("@Section", Section\_Box.Text);

cmd.Parameters.AddWithValue("@RollNo", Roll\_Box.Text);

cmd.Parameters.AddWithValue("@DOB", dob\_Box.Text);

cmd.ExecuteNonQuery();

MessageBox.Show("Record Upddate Successfully");

con.Close();

}

}

}

}

Design window from :

Student Registration Form

Graphical user interface, application

Description automatically generated

Data Inserted:

Graphical user interface, application, PowerPoint

Description automatically generated

Search:

Search Via CNIC

Graphical user interface, table

Description automatically generated

Update record:

Update the record of the name Mateen.

Graphical user interface, application, PowerPoint

Description automatically generatedA screenshot of a computer

Description automatically generated with medium confidence