**STUDENT MANAGEMENT APP**

**SUBMITTED BY**

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**INTRODUCTION**

Student Management App is a database integrated project developed in Visual Studio 2010. This project mainly focuses on easing the process of management of student’s information – both personal and academic info. This project has an intuitive graphical user interface which makes it easy and efficient to work with. The database used here is SQL Server which is a robust database engine that offers data recovery and other security measures.

**CODING**

**mainFrm.cs**

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Windows.Forms;

namespace StudentManagement

{

public partial class mainFrm : Form

{

public mainFrm()

{

InitializeComponent();

}

private void mainFrm\_FormClosing(Object sender, FormClosingEventArgs e)

{

//In case windows is trying to shut down, don't hold the process up

if (e.CloseReason == CloseReason.WindowsShutDown) return;

if (this.DialogResult == DialogResult.Cancel)

{

// Assume that X has been clicked and act accordingly.

// Confirm user wants to close

switch (MessageBox.Show(this, "Are you sure?", "Do you still want ... ?", MessageBoxButtons.YesNo, MessageBoxIcon.Question))

{

//Stay on this form

case DialogResult.No:

e.Cancel = true;

break;

default:

break;

}

}

}

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

{

//pictureBox1.Image = imageList1.Images[0];

}

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

{

StdntPrsnlInfo frm = new StdntPrsnlInfo();

frm.Show();

}

private void button1\_Click(object sender, EventArgs e)

{

StdntAcdmcInfo frm = new StdntAcdmcInfo();

frm.Show();

}

private void mainFrm\_FormClosing\_1(object sender, FormClosingEventArgs e)

{

Application.Exit();

// picbox.Image = imagelst.Images[0];

}

}

}

**StdntPrsnlInfo.cs**

using System;

using System.IO;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using System.Data.SqlClient;

namespace StudentManagement

{

public partial class StdntPrsnlInfo : Form

{

public StdntPrsnlInfo()

{

InitializeComponent();

}

DataTable dt;

private void button2\_Click(object sender, EventArgs e)

{

//SqlConnection con = new SqlConnection(@"Data Source=LAPTOP-V8DITO49\NKSQL;Initial Catalog=CollegeDB;Integrated Security=True");

//SqlConnection con = new SqlConnection(@"Data Source=LAPTOP-V8DITO49\NKSQL;Initial Catalog=CollegeDB;user id = nk; password=nk");

SqlConnection con = new SqlConnection(@global.constr);

//global.constr

con.Open();

SqlCommand cmd = new SqlCommand("SELECT \* FROM StdntPrsnlInfoTB", con);

SqlDataAdapter da = new SqlDataAdapter(cmd);

dt = new DataTable();

da.Fill(dt);

dataGridView1.DataSource = dt;

con.Close();

}

private void button1\_Click(object sender, EventArgs e)

{

String str = "";

if (rollTxt.Text != "")

{

str += " RollNo='" + rollTxt.Text + "' AND";

}

if (phnTxt.Text != "")

{

str += " PhoneNo=" + phnTxt.Text + " AND";

}

if (DeptTxt.Text != "")

{

str += " Dept='" + DeptTxt.Text + "' AND";

}

if (nmeTxt.Text != "")

{

str += " SName='" + nmeTxt.Text + "'";

}

if (str.Substring(str.Length - 3, 3) == "AND")

str = str.Substring(0, str.Length - 3);

//MessageBox.Show(str);

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

//SqlCommand cmd = new SqlCommand("SELECT \* FROM StdntPrsnlInfoTB WHERE (@str)", con);

SqlCommand cmd = new SqlCommand("SELECT \* FROM StdntPrsnlInfoTB WHERE "+str, con);

//cmd.Parameters.AddWithValue("@str", str);

SqlDataAdapter da = new SqlDataAdapter(cmd);

dt = new DataTable();

da.Fill(dt);

if (dt.Rows.Count == 0)

{

MessageBox.Show(dt.Rows.Count.ToString() + " records found!!!");

}

dataGridView1.DataSource = dt;

con.Close();

}

private void button5\_Click(object sender, EventArgs e)

{

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

SqlCommand cmd = new SqlCommand("INSERT INTO StdntPrsnlInfoTB VALUES (@roll,@nme,@dpt,@adhr,@phn,@mail)", con);

cmd.Parameters.AddWithValue("@roll", addRollTxt.Text);

cmd.Parameters.AddWithValue("@nme", addNmeTxt.Text);

cmd.Parameters.AddWithValue("@dpt", addDeptTxt.Text);

cmd.Parameters.AddWithValue("@adhr", Int64.Parse(addAdhrTxt.Text));

cmd.Parameters.AddWithValue("@phn", Int64.Parse(addPhnTxt.Text));

cmd.Parameters.AddWithValue("@mail", addMailTxt.Text);

cmd.ExecuteNonQuery();

SqlCommand cmd1 = new SqlCommand("SELECT \* FROM StdntPrsnlInfoTB WHERE RollNo=@roll", con);

cmd1.Parameters.AddWithValue("@roll", addRollTxt.Text);

SqlDataAdapter da = new SqlDataAdapter(cmd1);

dt = new DataTable();

da.Fill(dt);

dataGridView3.DataSource = dt;

con.Close();

addRollTxt.Clear();

addNmeTxt.Clear();

addMailTxt.Clear();

addDeptTxt.Clear();

addAdhrTxt.Clear();

addPhnTxt.Clear();

}

private void tabGrp\_SelectedIndexChanged(object sender, EventArgs e)

{

}

private void button4\_Click(object sender, EventArgs e)

{

String str = "";

String wstr = "";

String ustr = "";

if (frollTxt.Text != "")

{

str += " RollNo='" + frollTxt.Text + "' AND";

}

if (fphnTxt.Text != "")

{

str += " PhoneNo=" + fphnTxt.Text + " AND";

}

if (fdeptTxt.Text != "")

{

str += " Dept='" + fdeptTxt.Text + "' AND";

}

if (fnmeTxt.Text != "")

{

str += " SName='" + fnmeTxt.Text + "'";

}

if (str.Substring(str.Length - 3, 3) == "AND")

wstr = str.Substring(0, str.Length - 3);

str = "";

if (mmailTxt.Text != "")

{

str += " Email='" + mmailTxt.Text + "' AND";

}

if (mphnTxt.Text != "")

{

str += " PhoneNo=" + mphnTxt.Text + " AND";

}

if (mdeptTxt.Text != "")

{

str += " Dept='" + mdeptTxt.Text + "' AND";

}

if (mnmeTxt.Text != "")

{

str += " SName='" + mnmeTxt.Text + "' AND";

}

if (str.Substring(str.Length - 3, 3) == "AND")

ustr = str.Substring(0, str.Length - 3);

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

SqlCommand cmd = new SqlCommand("UPDATE StdntPrsnlInfoTB SET "+ustr+" WHERE "+wstr, con);

cmd.ExecuteNonQuery();

SqlCommand cmd1 = new SqlCommand("SELECT \* FROM StdntPrsnlInfoTB WHERE RollNo=@roll", con);

cmd1.Parameters.AddWithValue("@roll", frollTxt.Text);

SqlDataAdapter da = new SqlDataAdapter(cmd1);

dt = new DataTable();

da.Fill(dt);

dataGridView2.DataSource = dt;

con.Close();

//frollTxt.Clear();

//fnmeTxt.Clear();

//fdeptTxt.Clear();

//fphnTxt.Clear();

//mnmeTxt.Clear();

//mmailTxt.Clear();

//mdeptTxt.Clear();

//mphnTxt.Clear();

}

private void button6\_Click(object sender, EventArgs e)

{

String str = "";

if (drollTxt.Text != "")

{

str += " RollNo='" + drollTxt.Text + "' AND";

}

if (dphnTxt.Text != "")

{

str += " PhoneNo=" + dphnTxt.Text + " AND";

}

if (ddeptTxt.Text != "")

{

str += " Dept='" + ddeptTxt.Text + "' AND";

}

if (dnmeTxt.Text != "")

{

str += " SName='" + dnmeTxt.Text + "'";

}

if (str.Substring(str.Length - 3, 3) == "AND")

str = str.Substring(0, str.Length - 3);

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

SqlCommand cmd = new SqlCommand("DELETE FROM StdntPrsnlInfoTB WHERE " + str, con);

cmd.ExecuteNonQuery();

SqlCommand cmd1 = new SqlCommand("SELECT \* FROM StdntPrsnlInfoTB WHERE Dept=@dept", con);

cmd1.Parameters.AddWithValue("@dept", ddeptTxt.Text);

SqlDataAdapter da = new SqlDataAdapter(cmd1);

dt = new DataTable();

da.Fill(dt);

dataGridView4.DataSource = dt;

con.Close();

MessageBox.Show("Deleted successfully!!!");

}

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

{

String str = "";

String wstr = "";

if (frollTxt.Text != "")

{

str += " RollNo='" + frollTxt.Text + "' AND";

}

if (fphnTxt.Text != "")

{

str += " PhoneNo=" + fphnTxt.Text + " AND";

}

if (fdeptTxt.Text != "")

{

str += " Dept='" + fdeptTxt.Text + "' AND";

}

if (fnmeTxt.Text != "")

{

str += " SName='" + fnmeTxt.Text + "'";

}

if (str.Substring(str.Length - 3, 3) == "AND")

wstr = str.Substring(0, str.Length - 3);

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

SqlCommand cmd1 = new SqlCommand("SELECT \* FROM StdntPrsnlInfoTB WHERE "+wstr, con);

SqlDataAdapter da = new SqlDataAdapter(cmd1);

dt = new DataTable();

da.Fill(dt);

dataGridView2.DataSource = dt;

con.Close();

}

private void button2\_Click\_1(object sender, EventArgs e)

{

frollTxt.Clear();

fnmeTxt.Clear();

fdeptTxt.Clear();

fphnTxt.Clear();

mnmeTxt.Clear();

mmailTxt.Clear();

mdeptTxt.Clear();

mphnTxt.Clear();

}

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

{

//String str = "";

//if (rollTxt.Text != "")

//{

// str += " RollNo='" + rollTxt.Text + "' AND";

//}

//if (phnTxt.Text != "")

//{

// str += " PhoneNo=" + phnTxt.Text + " AND";

//}

//if (DeptTxt.Text != "")

//{

// str += " Dept='" + DeptTxt.Text + "' AND";

//}

//if (nmeTxt.Text != "")

//{

// str += " SName='" + nmeTxt.Text + "'";

//}

//if (str.Substring(str.Length - 3, 3) == "AND")

// str = str.Substring(0, str.Length - 3);

////MessageBox.Show(str);

//SqlConnection con = new SqlConnection(@"Data Source=LAPTOP-V8DITO49\NKSQL;Initial Catalog=CollegeDB;Integrated Security=True");

//con.Open();

////SqlCommand cmd = new SqlCommand("SELECT \* FROM StdntPrsnlInfoTB WHERE (@str)", con);

//SqlCommand cmd = new SqlCommand("SELECT \* FROM StdntPrsnlInfoTB WHERE " + str, con);

////cmd.Parameters.AddWithValue("@str", str);

//SqlDataAdapter da = new SqlDataAdapter(cmd);

//dt = new DataTable();

//da.Fill(dt);

//string filename = SavefileDialog();

Stream myStream;

SaveFileDialog saveFileDialog1 = new SaveFileDialog();

saveFileDialog1.Filter = "csv files (\*.csv)|\*.csv";

saveFileDialog1.FilterIndex = 2;

saveFileDialog1.RestoreDirectory = true;

//String filename = saveFileDialog1.FileName;

if (saveFileDialog1.ShowDialog() == DialogResult.OK)

{

//if ((myStream = saveFileDialog1.OpenFile()) != null)

//{

//string mFolderName = "D:\\abcd.csv";

// Code to write the stream goes here.

//dt.ToCSV(mFolderName);

dt.ToCSV(saveFileDialog1.FileName);

//myStream.Close();

//}

}

//dt.ToCSV(filename);

}

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

{

}

}

public static class CSVUtlity {

public static void ToCSV(this DataTable dtDataTable, string strFilePath)

{

StreamWriter sw = new StreamWriter(strFilePath, false);

//headers

for (int i = 0; i < dtDataTable.Columns.Count; i++)

{

sw.Write(dtDataTable.Columns[i]);

if (i < dtDataTable.Columns.Count - 1)

{

sw.Write(",");

}

}

sw.Write(sw.NewLine);

foreach (DataRow dr in dtDataTable.Rows)

{

for (int i = 0; i < dtDataTable.Columns.Count; i++)

{

if (!Convert.IsDBNull(dr[i]))

{

string value = dr[i].ToString();

if (value.Contains(','))

{

value = String.Format("\"{0}\"", value);

sw.Write(value);

}

else

{

sw.Write(dr[i].ToString());

}

}

if (i < dtDataTable.Columns.Count - 1)

{

sw.Write(",");

}

}

sw.Write(sw.NewLine);

}

sw.Close();

}

}

}

**StdntAcdmcInfo.cs**

using System;

using System.IO;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Windows.Forms;

using System.Data.SqlClient;

namespace StudentManagement

{

public partial class StdntAcdmcInfo : Form

{

public StdntAcdmcInfo()

{

InitializeComponent();

}

DataTable dt;

private void label31\_Click(object sender, EventArgs e)

{

}

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

{

CrteExmFrm frm = new CrteExmFrm();

frm.Show();

}

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

{

SaveFileDialog saveFileDialog1 = new SaveFileDialog();

saveFileDialog1.Filter = "csv files (\*.csv)|\*.csv";

saveFileDialog1.FilterIndex = 2;

saveFileDialog1.RestoreDirectory = true;

//String filename = saveFileDialog1.FileName;

if (saveFileDialog1.ShowDialog() == DialogResult.OK)

{

dt.ToCSV(saveFileDialog1.FileName);

}

}

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

{

SqlConnection con = new SqlConnection(@global.constr);

var stra = "";

//RollNo

//Asc Name

//Dsc Name

//Incr Marks

//Dcr Marks

if (sortBox.GetItemText(sortBox.SelectedItem) == "Dcr Marks")

{

stra = " ORDER BY Sub1 DESC, Sub2 DESC, Sub3 DESC, Sub4 DESC, Sub5 DESC, Sub6 DESC, Sub7 DESC, Sub8 DESC, Sub9 DESC";

} else if (sortBox.GetItemText(sortBox.SelectedItem) == "Incr Marks"){

stra = " ORDER BY Sub1, Sub2, Sub3, Sub4, Sub5, Sub6, Sub7, Sub8, Sub9";

}

else if (sortBox.GetItemText(sortBox.SelectedItem) == "RollNo")

{

stra = " ORDER BY RollNo";

}

//else if (sortBox.Text == "Asc Name")

//{

// stra = " ORDER BY ";

//}

//else if (sortBox.Text == "Incr Marks")

//{

// stra = " ORDER BY Sub1, Sub2, Sub3, Sub4, Sub5, Sub6, Sub7, Sub8, Sub9";

//}

//global.constr

con.Open();

SqlCommand cmd = new SqlCommand("SELECT \* FROM StdntAcdmcInfoTB"+stra, con);

SqlDataAdapter da = new SqlDataAdapter(cmd);

dt = new DataTable();

da.Fill(dt);

dataGridView1.DataSource = dt;

con.Close();

}

private void button5\_Click(object sender, EventArgs e)

{

var roll = addRollTxt.Text;

//var dept = addDeptTxt.Text;

var dept = addDeptTxt.GetItemText(addDeptTxt.SelectedItem);

var sem = addsemBox.GetItemText(addsemBox.SelectedItem);

var exam = addExmTxt.Text;

var sub1 = s1Num.Value;

var sub2 = s2Num.Value;

var sub3 = s3Num.Value;

var sub4 = s4Num.Value;

var sub5 = s5Num.Value;

var sub6 = s6Num.Value;

var sub7 = s7Num.Value;

var sub8 = s8Num.Value;

var sub9 = s9Num.Value;

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

//SqlCommand pre = new SqlCommand("SELECT SubNme FROM SubjectTB WHERE Sem='"+sem+"' AND Dept='"+dept+"'");

//SqlDataAdapter ds = new SqlDataAdapter(pre);

//dt = new DataTable();

//ds.Fill(dt);

//foreach (DataRow dr in dt.Rows)

//{

//}

/\*

if (dtRpt.Rows.Count == 0)

return;

if (dtRpt.Rows.Count > 0)

{

int i = 0;

for (i = 0; i <= dtRpt.Rows.Count - 1; i++)

{

mTotValCash = mTotValCash + Convert.ToDecimal(dtRpt.Rows[i]["CASH"]);

mTotValCredit = mTotValCredit + Convert.ToDecimal(dtRpt.Rows[i]["CREDIT"]);

mTotValCard = mTotValCard + Convert.ToDecimal(dtRpt.Rows[i]["CARD"]);

mDisVal = mDisVal + Convert.ToDecimal(dtRpt.Rows[i]["DISCAMT"]);

}

}

\*/

//if (dt.Rows.Count == 6)

//{

// s7Num.Enabled = false;

// s8Num.Enabled = false;

// s9Num.Enabled = false;

//}

//else if (dt.Rows.Count == 8)

//{

// s9Num.Enabled = false;

//}

SqlCommand cmd = new SqlCommand("INSERT INTO StdntAcdmcInfoTB VALUES (@roll,@dpt,@sem,@exam,@sub1,@sub2,@sub3,@sub4,@sub5,@sub6,@sub7,@sub8,@sub9)", con);

cmd.Parameters.AddWithValue("@roll", roll);

cmd.Parameters.AddWithValue("@dpt", dept);

cmd.Parameters.AddWithValue("@sem", sem);

cmd.Parameters.AddWithValue("@exam", exam);

cmd.Parameters.AddWithValue("@sub1", sub1);

cmd.Parameters.AddWithValue("@sub2", sub2);

cmd.Parameters.AddWithValue("@sub3", sub3);

cmd.Parameters.AddWithValue("@sub4", sub4);

cmd.Parameters.AddWithValue("@sub5", sub5);

cmd.Parameters.AddWithValue("@sub6", sub6);

cmd.Parameters.AddWithValue("@sub7", sub7);

cmd.Parameters.AddWithValue("@sub8", sub8);

cmd.Parameters.AddWithValue("@sub9", sub9);

cmd.ExecuteNonQuery();

SqlCommand cmd1 = new SqlCommand("SELECT \* FROM StdntAcdmcInfoTB WHERE RollNo=@roll", con);

cmd1.Parameters.AddWithValue("@roll", roll);

SqlDataAdapter da = new SqlDataAdapter(cmd1);

dt = new DataTable();

da.Fill(dt);

dataGridView3.DataSource = dt;

con.Close();

addRollTxt.Clear();

//addExmTxt.Clear();

addDeptTxt.Text = "";

s1Num.Value = 0;

s2Num.Value = 0;

s3Num.Value = 0;

s4Num.Value = 0;

s5Num.Value = 0;

s6Num.Value = 0;

s7Num.Value = 0;

s8Num.Value = 0;

s9Num.Value = 0;

}

private void addDeptTxt\_SelectedIndexChanged(object sender, EventArgs e)

{

var dept = addDeptTxt.GetItemText(addDeptTxt.SelectedItem);

var sem = addsemBox.GetItemText(addsemBox.SelectedItem);

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

SqlCommand pre = new SqlCommand("SELECT SubNme FROM SubjectTB WHERE Sem='" + sem + "' AND Dept='" + dept + "' ORDER BY CCode",con);

SqlDataAdapter ds = new SqlDataAdapter(pre);

dt = new DataTable();

ds.Fill(dt);

for (int i = 0; i <= dt.Rows.Count - 1; i++)

{

if (i == 0)

{

s1Num.Enabled = true;

string ele = dt.Rows[i][0].ToString();

if (ele.Length > 8)

{

var lst = ele.Split(' ');

ele = "";

if (lst.Length > 1)

{

foreach (var l in lst)

{

ele += l[0].ToString().ToUpper();

}

}

else

{

ele = lst[0].ToString().Substring(0, 5);

}

}

l1.Text = ele;

}

else if (i == 1)

{

s2Num.Enabled = true;

string ele = dt.Rows[i][0].ToString();

if (ele.Length > 8)

{

var lst = ele.Split(' ');

ele = "";

if (lst.Length > 1)

{

foreach (var l in lst)

{

ele += l[0].ToString().ToUpper();

}

}

else

{

ele = lst[0].ToString().Substring(0, 5);

}

}

l2.Text = ele;

}

else if (i == 2)

{

s3Num.Enabled = true;

string ele = dt.Rows[i][0].ToString();

if (ele.Length > 8)

{

var lst = ele.Split(' ');

ele = "";

if (lst.Length > 1)

{

foreach (var l in lst)

{

ele += l[0].ToString().ToUpper();

}

}

else

{

ele = lst[0].ToString().Substring(0, 5);

}

}

l3.Text = ele;

}

else if (i == 3)

{

s4Num.Enabled = true;

string ele = dt.Rows[i][0].ToString();

if (ele.Length > 8)

{

var lst = ele.Split(' ');

ele = "";

if (lst.Length > 1)

{

foreach (var l in lst)

{

ele += l[0].ToString().ToUpper();

}

}

else

{

ele = lst[0].ToString().Substring(0, 5);

}

}

l4.Text = ele;

}

else if (i == 4)

{

s5Num.Enabled = true;

string ele = dt.Rows[i][0].ToString();

if (ele.Length > 8)

{

var lst = ele.Split(' ');

ele = "";

if (lst.Length > 1)

{

foreach (var l in lst)

{

ele += l[0].ToString().ToUpper();

}

}

else

{

ele = lst[0].ToString().Substring(0, 5);

}

}

l5.Text = ele;

}

else if (i == 5)

{

s6Num.Enabled = true;

string ele = dt.Rows[i][0].ToString();

if (ele.Length > 8)

{

var lst = ele.Split(' ');

ele = "";

if (lst.Length > 1)

{

foreach (var l in lst)

{

ele += l[0].ToString().ToUpper();

}

}

else

{

ele = lst[0].ToString().Substring(0, 5);

}

}

l6.Text = ele;

}

else if (i == 6)

{

s7Num.Enabled = true;

string ele = dt.Rows[i][0].ToString();

if (ele.Length > 8)

{

var lst = ele.Split(' ');

ele = "";

if (lst.Length > 1)

{

foreach (var l in lst)

{

ele += l[0].ToString().ToUpper();

}

}

else

{

ele = lst[0].ToString().Substring(0, 5);

}

}

l7.Text = ele;

}

else if (i == 7)

{

s8Num.Enabled = true;

string ele = dt.Rows[i][0].ToString();

if (ele.Length > 8)

{

var lst = ele.Split(' ');

ele = "";

if (lst.Length > 1)

{

foreach (var l in lst)

{

ele += l[0].ToString().ToUpper();

}

}

else

{

ele = lst[0].ToString().Substring(0, 5);

}

}

l8.Text = ele;

}

else if (i == 8)

{

s9Num.Enabled = true;

string ele = dt.Rows[i][0].ToString();

if (ele.Length > 8)

{

var lst = ele.Split(' ');

ele = "";

if (lst.Length > 1)

{

foreach (var l in lst)

{

ele += l[0].ToString().ToUpper();

}

}

else

{

ele = lst[0].ToString().Substring(0, 5);

}

}

l9.Text = ele;

}

}

con.Close();

}

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

{

}

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

{

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

SqlCommand pre = new SqlCommand("SELECT Dept FROM DeptTB",con);

SqlDataReader dr = pre.ExecuteReader();

AutoCompleteStringCollection acs = new AutoCompleteStringCollection();

while (dr.Read())

{

string da = dr[0].ToString();

addDeptTxt.Items.Add(da);

DeptTxt.Items.Add(da);

fdeptTxt.Items.Add(da);

ddeptTxt.Items.Add(da);

//acs.Add(da);

}

dr.Close();

//DeptTxt.AutoCompleteCustomSource = acs;

//fdeptTxt.AutoCompleteCustomSource = acs;

//ddeptTxt.AutoCompleteCustomSource = acs;

SqlCommand cmd = new SqlCommand("SELECT DISTINCT Exam FROM ExamTB", con);

dr = cmd.ExecuteReader();

acs = new AutoCompleteStringCollection();

while (dr.Read())

{

addExmTxt.Items.Add(dr[0].ToString());

dExmTxt.Items.Add(dr[0].ToString());

fexamTxt.Items.Add(dr[0].ToString());

examTxt.Items.Add(dr[0].ToString());

//acs.Add(dr[0].ToString());

}

//addExmTxt.AutoCompleteCustomSource = acs;

//dExmTxt.AutoCompleteCustomSource = acs;

//fexamTxt.AutoCompleteCustomSource = acs;

//examTxt.AutoCompleteCustomSource = acs;

dr.Close();

//SqlCommand cmd1 = new SqlCommand("SELECT DISTINCT SubNme FROM SubjectTB",con);

//dr = cmd1.ExecuteReader();

//acs = new AutoCompleteStringCollection();

//////SqlCommand cmd1 = new SqlCommand("SELECT DISTINCT SubCode,SubNme,CCode from SubjectTB WHERE Dept='" + dpt + "' ORDER BY CCode", con);

//////dr = cmd1.ExecuteReader();

//////while (dr.Read())

//////{

////// //MessageBox.Show(dr.ToString());

////// string da = dr[0].ToString() + ":" + dr[1].ToString();

////// subTxt.Items.Add(da);

////// fsubTxt.Items.Add(da);

//////}

//while (dr.Read())

//{

// subTxt.Items.Add(dr[0].ToString());

// fsubTxt.Items.Add(dr[0].ToString());

// //acs.Add(dr[0].ToString());

//}

//subTxt.AutoCompleteCustomSource = acs;

//fsubTxt.AutoCompleteCustomSource = acs;

//////dr.Close();

con.Close();

}

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

{

String str = "";

String wstr = "";

if (frollTxt.Text != "")

{

str += " RollNo='" + frollTxt.Text + "' AND";

}

//if (fsubTxt.Text != "")

//{

// str += " PhoneNo=" + fsubTxt.Text + " AND";

//}

if (fdeptTxt.Text != "")

{

str += " Dept='" + fdeptTxt.Text + "' AND";

}

if (fnmeTxt.Text != "")

{

str += " SName='" + fnmeTxt.Text + "' AND";

}

if (msemBox.Text != "")

{

str += " Sem='" + msemBox.Text + "' AND";

}

if (fexamTxt.Text != "")

{

str += " Exam='" + fexamTxt.Text + "'";

}

if (str.Substring(str.Length - 3, 3) == "AND")

wstr = str.Substring(0, str.Length - 3);

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

SqlCommand cmd1;

if (subTxt.GetItemText(subTxt.SelectedItem) != "")

{

str += "Sub" + (subTxt.SelectedIndex + 1).ToString();

cmd1 = new SqlCommand("SELECT RollNo, Dept, Sem, Exam, Sub" + (subTxt.SelectedIndex + 1).ToString() + " FROM StdntAcdmcInfoTB WHERE " + wstr, con);

}

else

{

cmd1 = new SqlCommand("SELECT \* FROM StdntAcdmcInfoTB WHERE " + wstr, con);

}

//SqlCommand cmd1 = new SqlCommand("SELECT \* FROM StdntAcdmcInfoTB WHERE " + wstr, con);

SqlDataAdapter da = new SqlDataAdapter(cmd1);

dt = new DataTable();

da.Fill(dt);

dataGridView2.DataSource = dt;

con.Close();

}

private void button1\_Click(object sender, EventArgs e)

{

String str = "";

String wstr = "";

if (rollTxt.Text != "")

{

str += " RollNo='" + rollTxt.Text + "' AND";

}

//if (subTxt.GetItemText(subTxt.SelectedItem) != "")

//{

// str += "Sub" + (subTxt.SelectedIndex+1).ToString();

// str += " =" + subTxt.Text + " and";

//}

if (DeptTxt.Text != "")

{

str += " Dept='" + DeptTxt.Text + "' AND";

}

//if (nmeTxt.Text != "")

//{

// str += " SName='" + nmeTxt.Text + "' AND";

//}

if (semBox.Text != "")

{

str += " Sem='" + semBox.Text + "' AND";

}

if (examTxt.Text != "")

{

str += " Exam='" + examTxt.Text + "'";

}

if (str.Substring(str.Length - 3, 3) == "AND")

wstr = str.Substring(0, str.Length - 3);

//if (sortBox.Text != "")

//{

// str += " SName='" + sortBox.Text + "'";

//}

MessageBox.Show(wstr);

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

SqlCommand cmd1;

if (subTxt.GetItemText(subTxt.SelectedItem) != "")

{

str += "Sub" + (subTxt.SelectedIndex + 1).ToString();

cmd1 = new SqlCommand("SELECT RollNo, Dept, Sem, Exam, Sub" + (subTxt.SelectedIndex + 1).ToString() + " FROM StdntAcdmcInfoTB WHERE " + wstr, con);

}

else

{

cmd1 = new SqlCommand("SELECT \* FROM StdntAcdmcInfoTB WHERE " + wstr, con);

}

SqlDataAdapter da = new SqlDataAdapter(cmd1);

dt = new DataTable();

da.Fill(dt);

dataGridView1.DataSource = dt;

con.Close();

}

private void button6\_Click(object sender, EventArgs e)

{

String str = "";

if (drollTxt.Text != "")

{

str += " RollNo='" + drollTxt.Text + "' AND";

}

if (dsemBox.Text != "")

{

str += " Sem=" + dsemBox.Text + " AND";

}

if (ddeptTxt.Text != "")

{

str += " Dept='" + ddeptTxt.Text + "' AND";

}

if (dExmTxt.Text != "")

{

str += " Exam='" + dExmTxt.Text + "'";

}

if (str.Substring(str.Length - 3, 3) == "AND")

str = str.Substring(0, str.Length - 3);

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

SqlCommand cmd = new SqlCommand("DELETE FROM StdntAcdmcInfoTB WHERE " + str, con);

cmd.ExecuteNonQuery();

SqlCommand cmd1 = new SqlCommand("SELECT \* FROM StdntAcdmcInfoTB WHERE Dept=@dept", con);

cmd1.Parameters.AddWithValue("@dept", ddeptTxt.Text);

SqlDataAdapter da = new SqlDataAdapter(cmd1);

dt = new DataTable();

da.Fill(dt);

dataGridView4.DataSource = dt;

con.Close();

MessageBox.Show("Deleted successfully!!!");

}

private void DeptTxt\_SelectedIndexChanged(object sender, EventArgs e)

{

var dpt = DeptTxt.GetItemText(DeptTxt.SelectedItem);

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

SqlCommand cmd = new SqlCommand("SELECT DISTINCT SubCode,SubNme,CCode from SubjectTB WHERE Dept='"+dpt+"' ORDER BY CCode", con);

SqlDataReader dr = cmd.ExecuteReader();

while (dr.Read())

{

//MessageBox.Show(dr.ToString());

string da = dr[0].ToString() + ":" + dr[1].ToString();

subTxt.Items.Add(da);

}

con.Close();

}

private void fdeptTxt\_SelectedIndexChanged(object sender, EventArgs e)

{

var dpt = fdeptTxt.GetItemText(fdeptTxt.SelectedItem);

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

SqlCommand cmd = new SqlCommand("SELECT DISTINCT SubCode,SubNme,CCode from SubjectTB WHERE Dept='" + dpt + "' ORDER BY CCode", con);

SqlDataReader dr = cmd.ExecuteReader();

fsubTxt.Items.Clear();

while (dr.Read())

{

//MessageBox.Show(dr.ToString());

string da = dr[0].ToString() + ":" + dr[1].ToString();

fsubTxt.Items.Add(da);

}

con.Close();

}

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

{

var mBy = numScrollBy.Value;

var mInto = numScrollInto.Value;

String str = "";

String wstr = "";

if (frollTxt.Text != "")

{

str += " RollNo='" + frollTxt.Text + "' AND";

}

//if (fsubTxt.Text != "")

//{

// str += " PhoneNo=" + fsubTxt.Text + " AND";

//}

if (fdeptTxt.Text != "")

{

str += " Dept='" + fdeptTxt.Text + "' AND";

}

//if (fnmeTxt.Text != "")

//{

// str += " SName='" + fnmeTxt.Text + "' AND";

//}

if (msemBox.Text != "")

{

str += " Sem='" + msemBox.Text + "' AND";

}

if (fexamTxt.Text != "")

{

str += " Exam='" + fexamTxt.Text + "'";

}

if (str.Substring(str.Length - 3, 3) == "AND")

wstr = str.Substring(0, str.Length - 3);

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

SqlCommand cmd1;

if (fsubTxt.GetItemText(fsubTxt.SelectedItem) != "")

{

str = "Sub" + (fsubTxt.SelectedIndex + 1).ToString();

try

{

if (mBy != 0)

{

cmd1 = new SqlCommand("UPDATE StdntAcdmcInfoTB SET " + str + " = " + str + "+" + mBy.ToString() + " WHERE " + wstr, con);

cmd1.ExecuteNonQuery();

}

else if (mInto != 0)

{

cmd1 = new SqlCommand("UPDATE StdntAcdmcInfoTB SET " + str + "=" + mInto.ToString() + " WHERE " + wstr, con);

cmd1.ExecuteNonQuery();

}

else

{

MessageBox.Show("Please enter a search criteria to modify records...");

}

}

catch

{

MessageBox.Show("Error in Modifying data please mouse select the subject.");

}

}

else

{

MessageBox.Show("Please enter a subject search criteria to modify records...");

}

cmd1 = new SqlCommand("SELECT \* FROM StdntAcdmcInfoTB WHERE "+wstr,con);

SqlDataAdapter da = new SqlDataAdapter(cmd1);

dt = new DataTable();

da.Fill(dt);

dataGridView2.DataSource = dt;

con.Close();

}

}

}

public static class CSVUtlity

{

public static void ToCSV(this DataTable dtDataTable, string strFilePath)

{

StreamWriter sw = new StreamWriter(strFilePath, false);

//headers

for (int i = 0; i < dtDataTable.Columns.Count; i++)

{

sw.Write(dtDataTable.Columns[i]);

if (i < dtDataTable.Columns.Count - 1)

{

sw.Write(",");

}

}

sw.Write(sw.NewLine);

foreach (DataRow dr in dtDataTable.Rows)

{

for (int i = 0; i < dtDataTable.Columns.Count; i++)

{

if (!Convert.IsDBNull(dr[i]))

{

string value = dr[i].ToString();

if (value.Contains(','))

{

value = String.Format("\"{0}\"", value);

sw.Write(value);

}

else

{

sw.Write(dr[i].ToString());

}

}

if (i < dtDataTable.Columns.Count - 1)

{

sw.Write(",");

}

}

sw.Write(sw.NewLine);

}

sw.Close();

}

}

**loginFrm.cs**

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Windows.Forms;

namespace StudentManagement

{

public partial class loginFrm : Form

{

public loginFrm()

{

InitializeComponent();

}

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

{

if (usrBox.Text == "Admin" && pswdBox.Text == "admin")

{

MessageBox.Show("Login Successful!", "Gateway Msg");

mainFrm frm = new mainFrm();

this.Hide();

frm.Show();

}

else

{

MessageBox.Show("Please enter valid credentials provided by admin", "Gateway Msg");

}

}

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

{

Environment.Exit(0);

}

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

{

}

}

}

**crteSubFrm.cs**

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Windows.Forms;

using System.Data.SqlClient;

namespace StudentManagement

{

public partial class crteSubFrm : Form

{

public crteSubFrm()

{

InitializeComponent();

}

private void checkBox1\_CheckedChanged(object sender, EventArgs e)

{

if (checkBox1.Checked)

{

practicalNum.Enabled = true;

}

else

{

practicalNum.Enabled = false;

}

}

private void button1\_Click(object sender, EventArgs e)

{

var snme = subTxt.Text;

var scde = codeTxt.Text;

var crdt = creditNum.Value;

var sem = semBox.GetItemText(semBox.SelectedItem);

var tw = theoryNum.Value;

var pw = practicalNum.Value;

var dpt = deptLst.CheckedItems;

var ptxt = priotityTxt.Text;

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

foreach (object dt in dpt)

{

SqlCommand cmd = new SqlCommand("INSERT INTO SubjectTB VALUES (@scde,@snme,@crdt,@sem,@tw,@pw,@dt,@pt)",con);

cmd.Parameters.AddWithValue("@scde", scde);

cmd.Parameters.AddWithValue("@snme", snme);

cmd.Parameters.AddWithValue("@crdt", crdt);

cmd.Parameters.AddWithValue("@sem", sem);

cmd.Parameters.AddWithValue("@tw", tw);

cmd.Parameters.AddWithValue("@pw", pw);

cmd.Parameters.AddWithValue("@dt", dt);

cmd.Parameters.AddWithValue("@pt", ptxt);

cmd.ExecuteNonQuery();

}

con.Close();

MessageBox.Show(snme+" Subject created...");

}

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

{

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

SqlCommand cmd = new SqlCommand("SELECT Dept from DeptTB",con);

SqlDataReader dr = cmd.ExecuteReader();

while(dr.Read())

{

string da = dr[0].ToString();

deptLst.Items.Add(da);

}

con.Close();

}

}

}

**crteExmFrm.cs**

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Windows.Forms;

using System.Data.SqlClient;

using System.Threading.Tasks;

namespace StudentManagement

{

public partial class CrteExmFrm : Form

{

private string enme;

public string[] subj = {}, date = {};

//public decimal[] maxm;

List<decimal> maxm = new List<decimal>();

public CrteExmFrm()

{

InitializeComponent();

}

private void button1\_Click(object sender, EventArgs e)

{

crteSubFrm frm = new crteSubFrm();

frm.Show();

}

private void button2\_Click(object sender, EventArgs e)

{

String enme = exNameTxt.Text;

String snme = subBox.GetItemText(subBox.SelectedItem);

Decimal mxmarks = maxMarkNum.Value;

DateTime dt = dateTimeBox.Value;

String txt = "";

string[] sbj = new string[] { snme };

string[] dte = new string[] { dt.ToLongDateString() };

decimal[] mx = new decimal[] { mxmarks };

//MessageBox.Show(snme);

subj = subj.Concat(sbj).ToArray();

date = date.Concat(dte).ToArray();

//maxm = maxm.Concat(mx).ToArray();

maxm.Add(mxmarks);

txt += dt.ToLongDateString() + ":" + snme + ":" + mxmarks.ToString();

lstBox.Items.Add(txt);

}

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

{

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

SqlCommand cmd = new SqlCommand("SELECT DISTINCT SubCode,SubNme from SubjectTB", con);

SqlDataReader dr = cmd.ExecuteReader();

while (dr.Read())

{

//MessageBox.Show(dr.ToString());

string da = dr[0].ToString()+":"+dr[1].ToString();

subBox.Items.Add(da);

}

con.Close();

}

private void button3\_Click(object sender, EventArgs e)

{

var exm = exNameTxt.Text;

SqlConnection con = new SqlConnection(@global.constr);

con.Open();

for (int i = 0; i < subj.Length; i++)

{

SqlCommand cmd = new SqlCommand("INSERT INTO ExamTB VALUES (@ex,@sub,@dt,@mx)", con);

cmd.Parameters.AddWithValue("@ex", exm);

cmd.Parameters.AddWithValue("@sub", subj[i]);

cmd.Parameters.AddWithValue("@dt", date[i]);

cmd.Parameters.AddWithValue("@mx", maxm[i]);

cmd.ExecuteNonQuery();

}

MessageBox.Show("Exam created successfully!!!");

}

}

}

**Global.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace StudentManagement

{

public class global

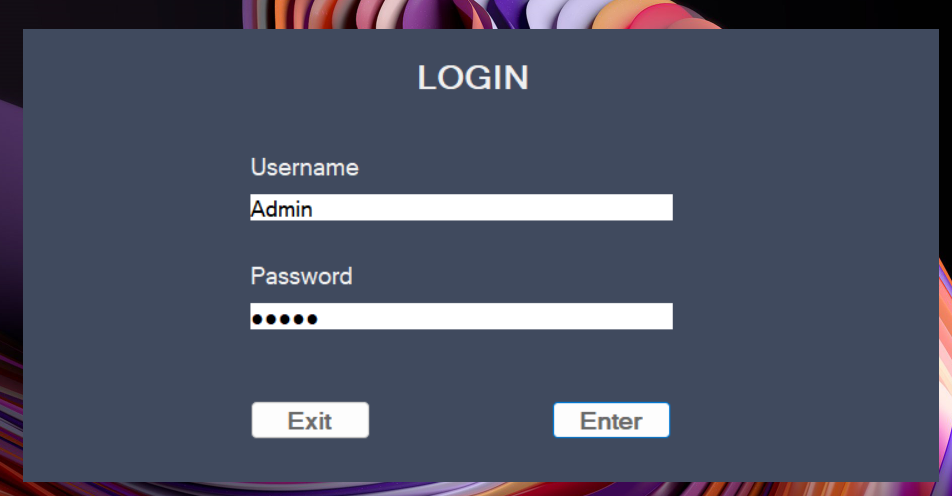
{

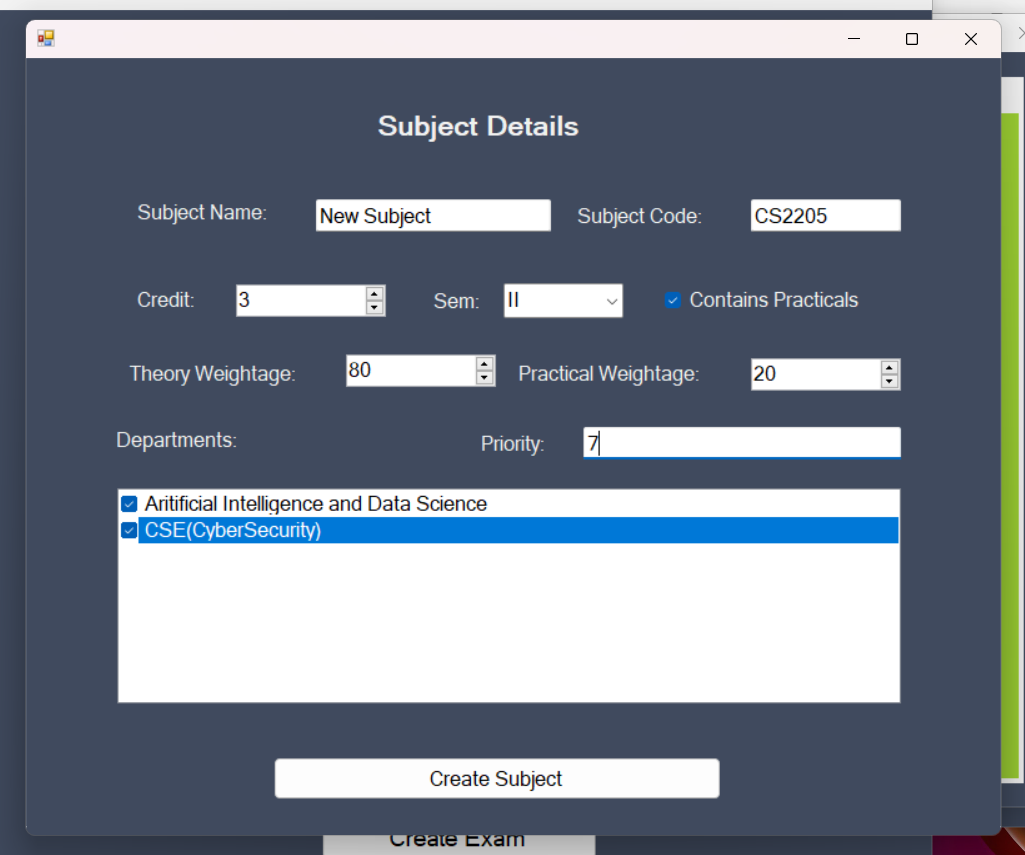
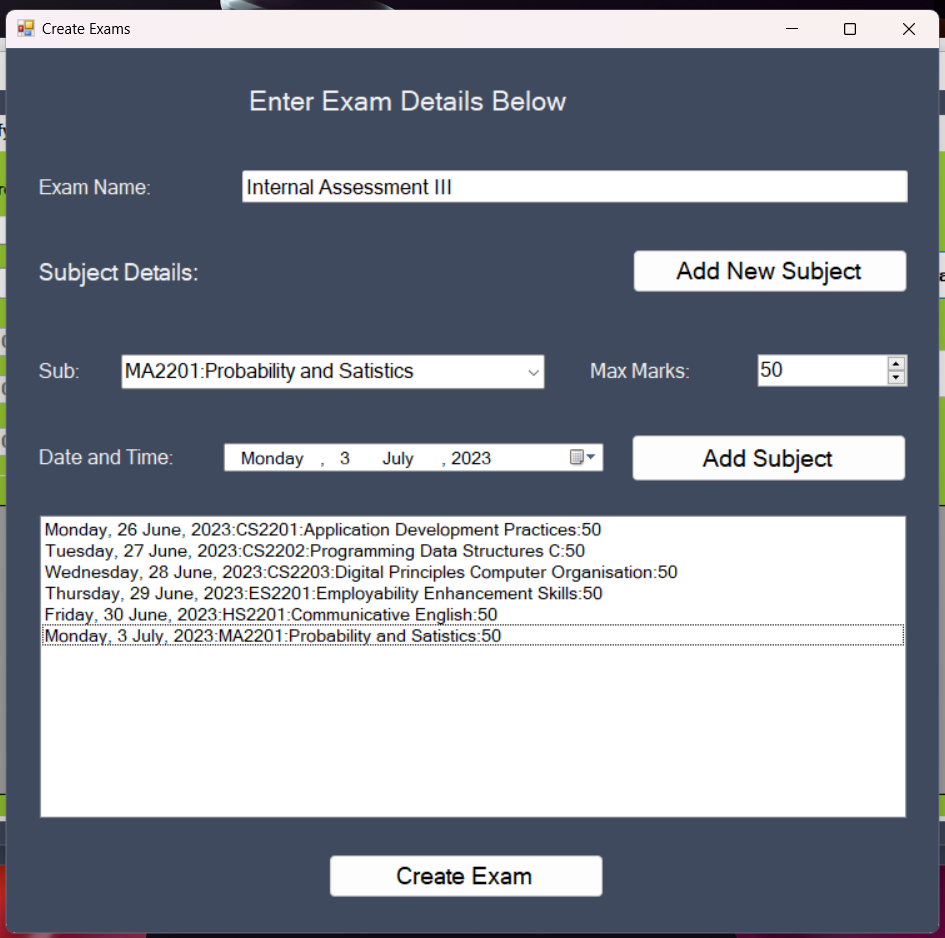
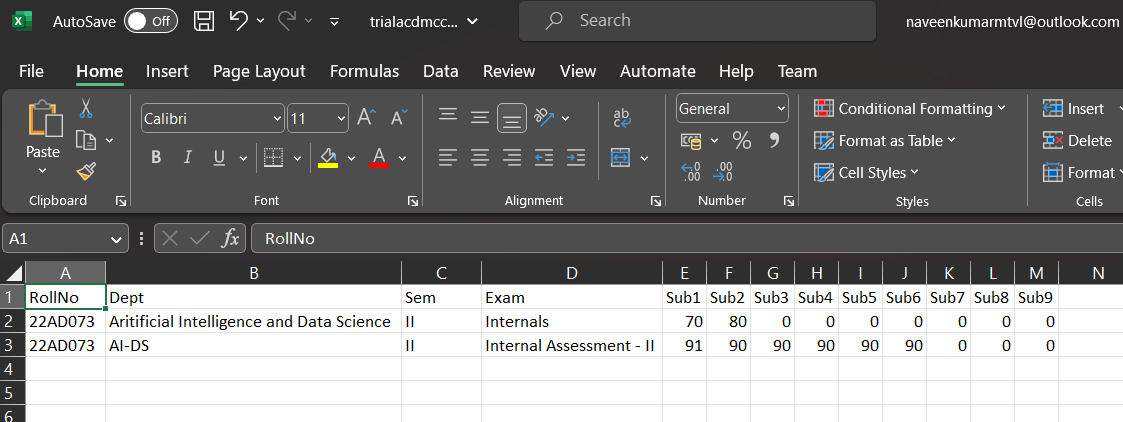
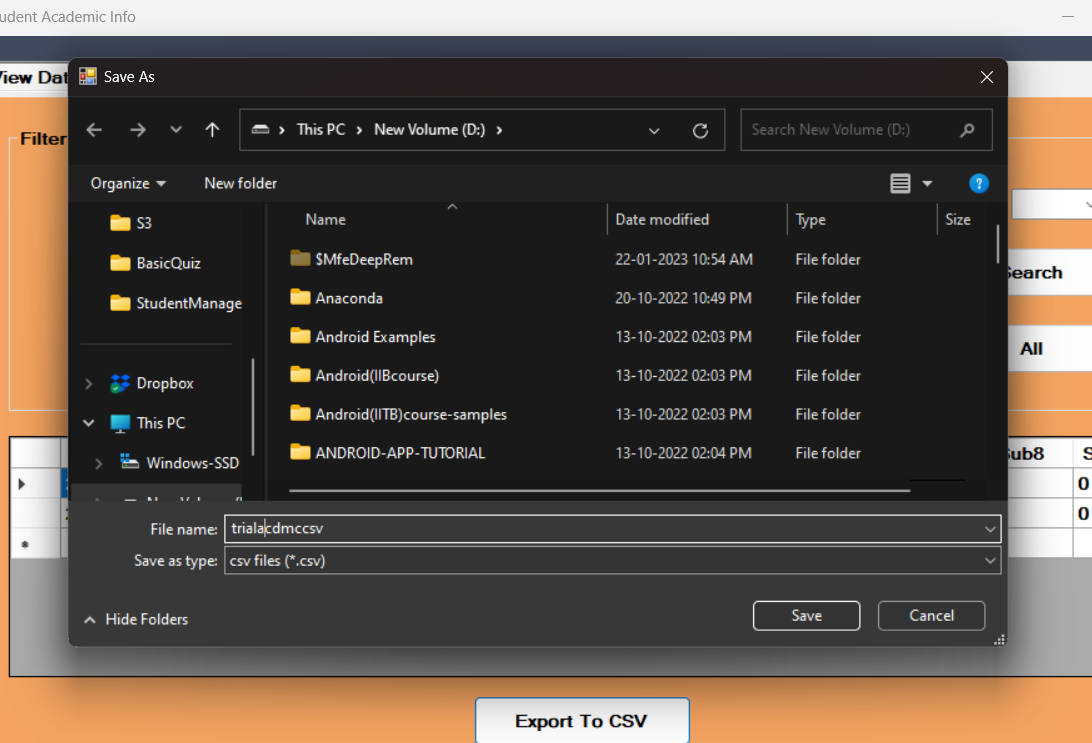
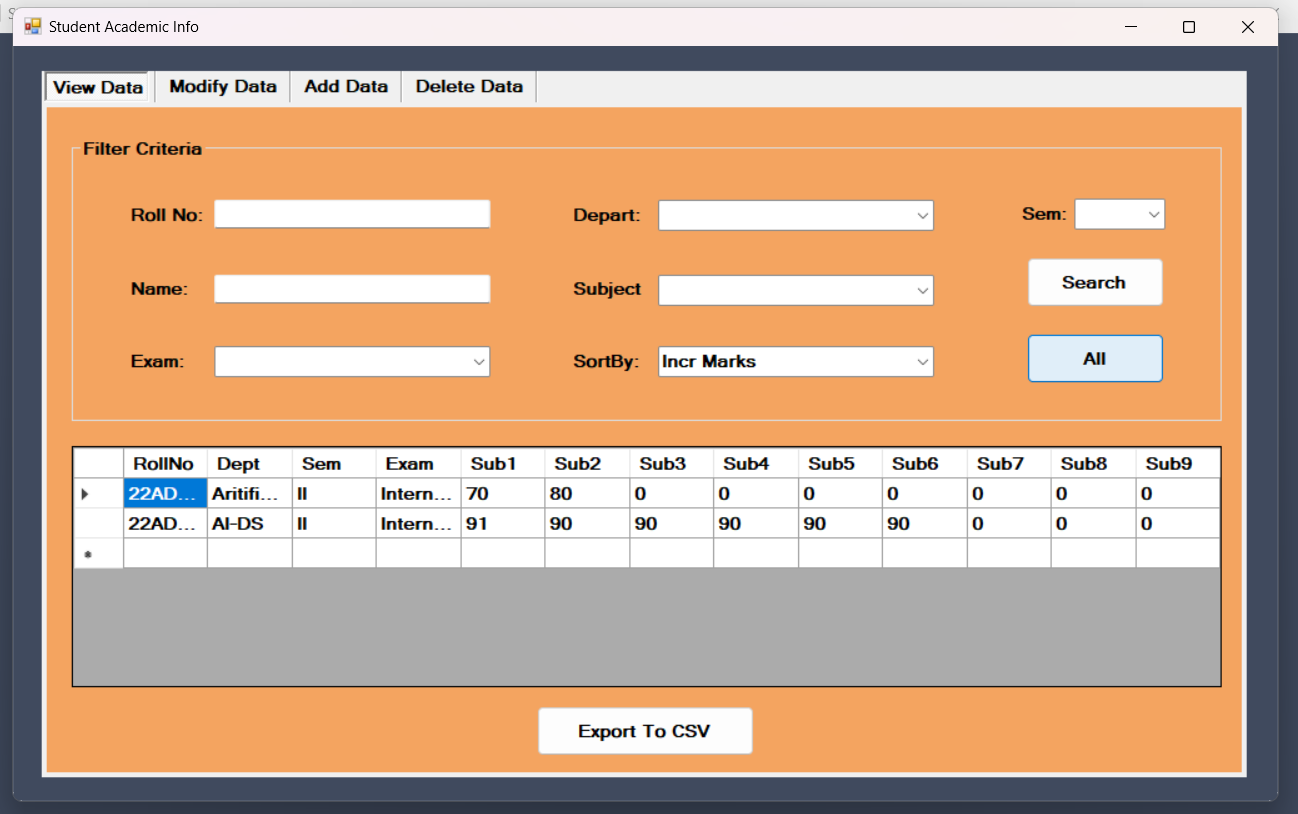
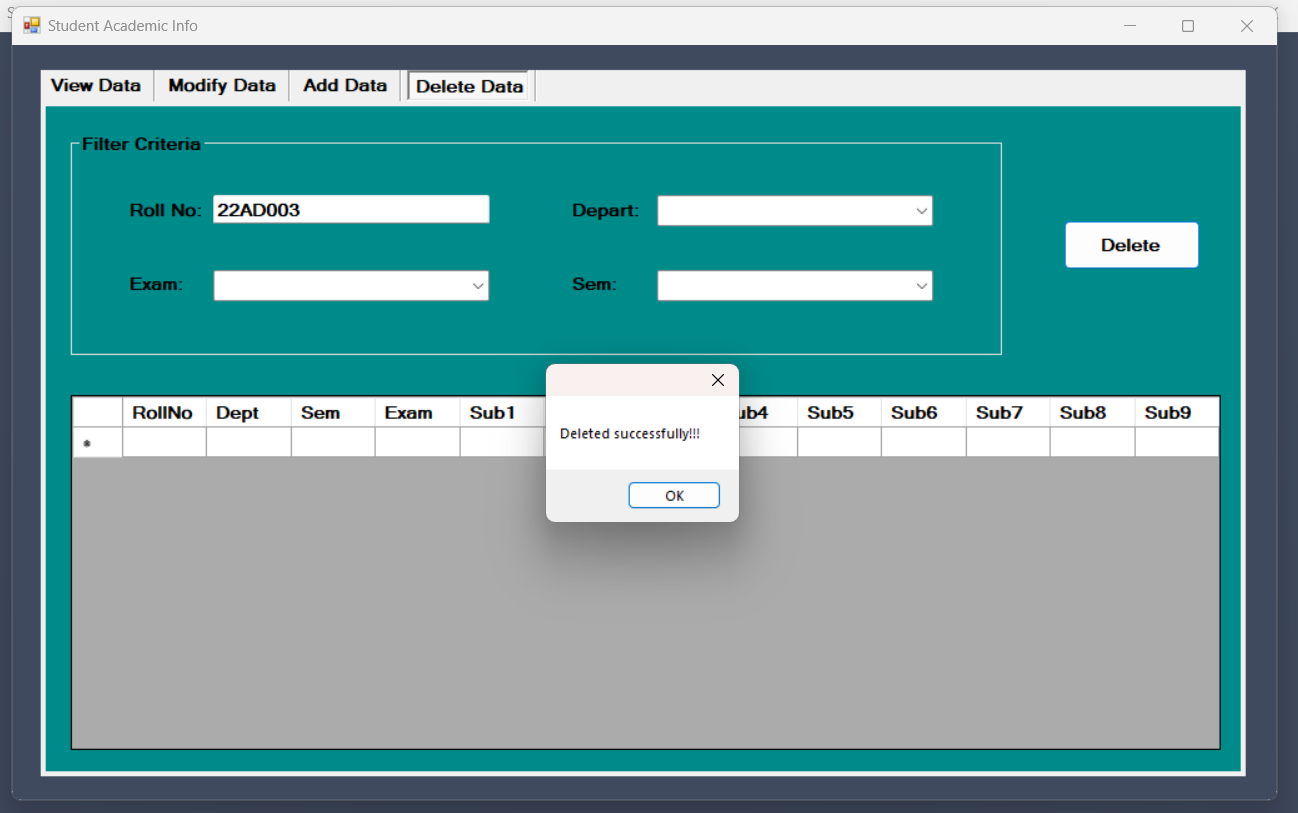
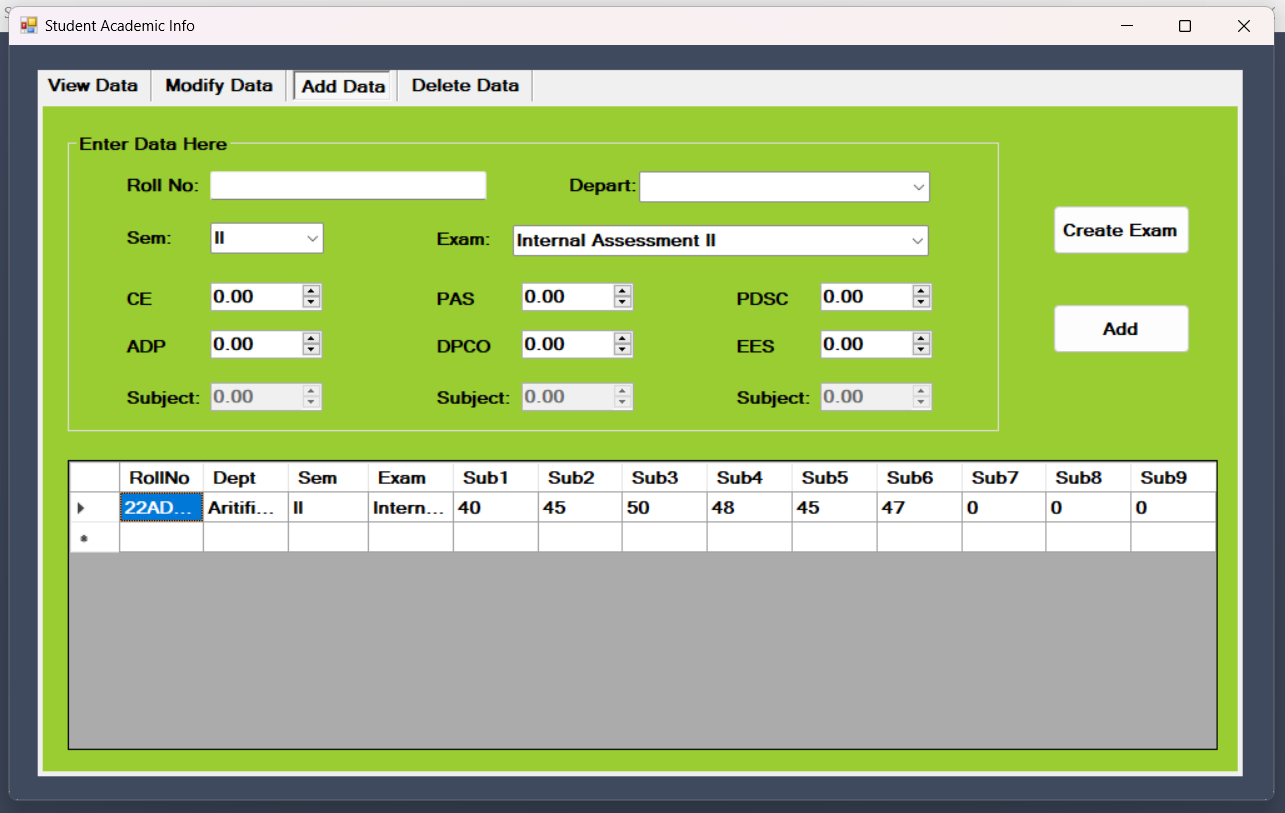
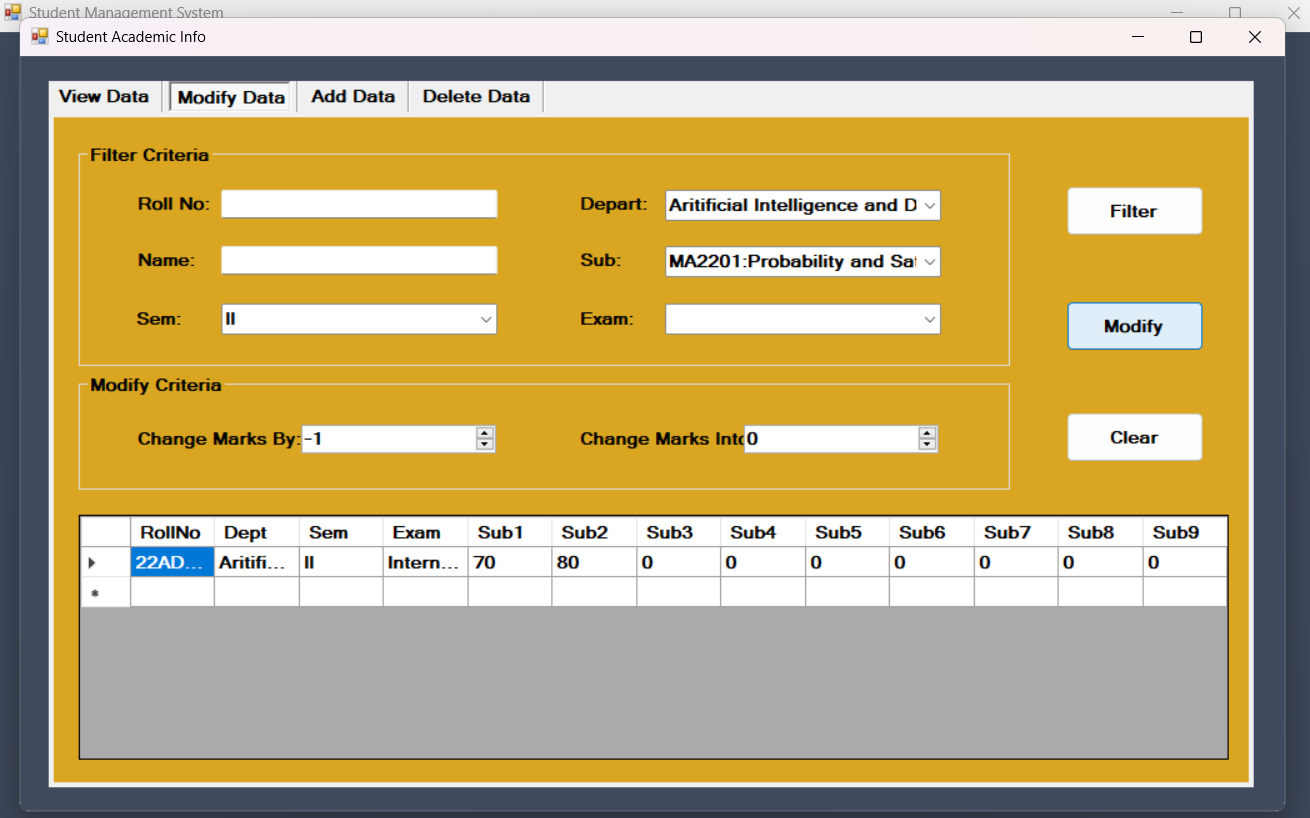
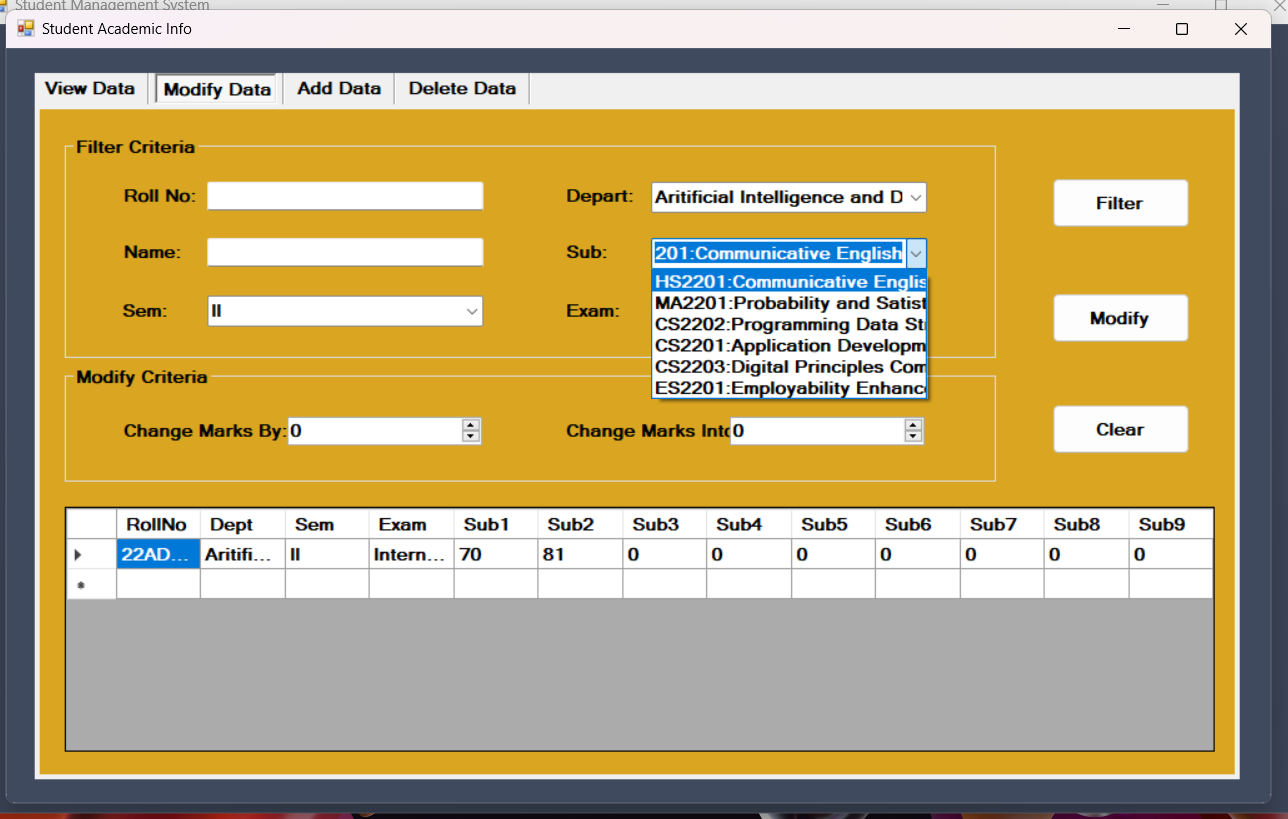
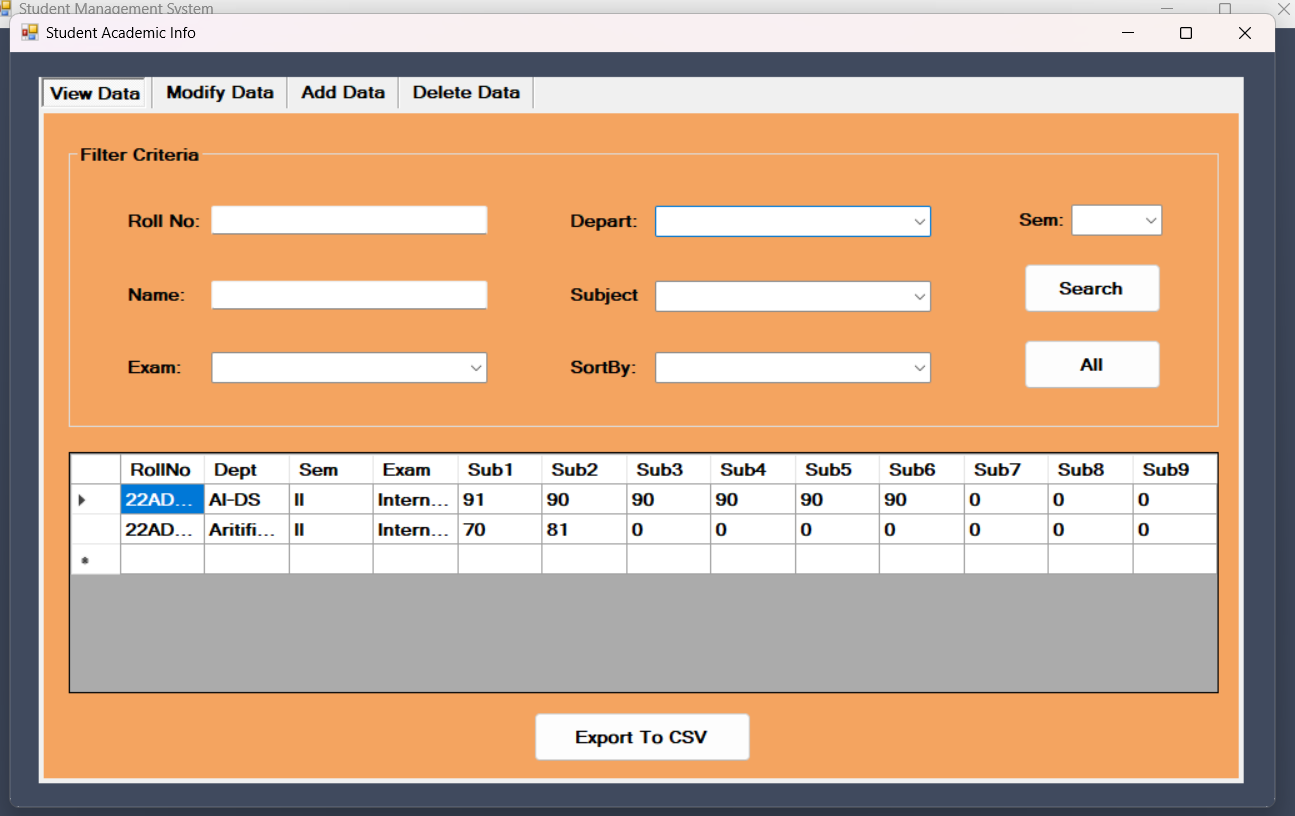
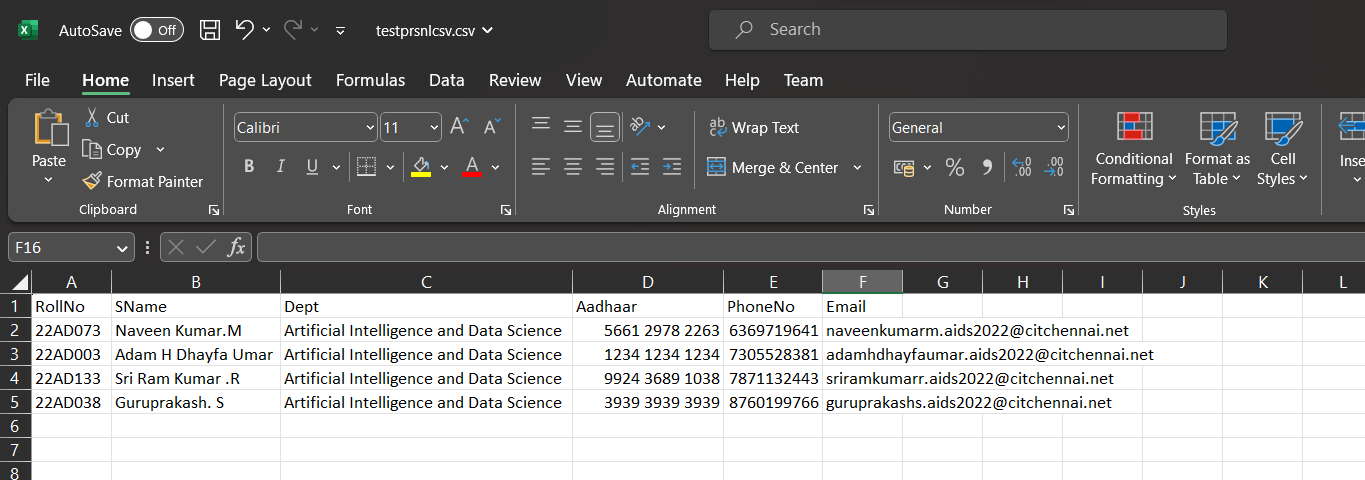
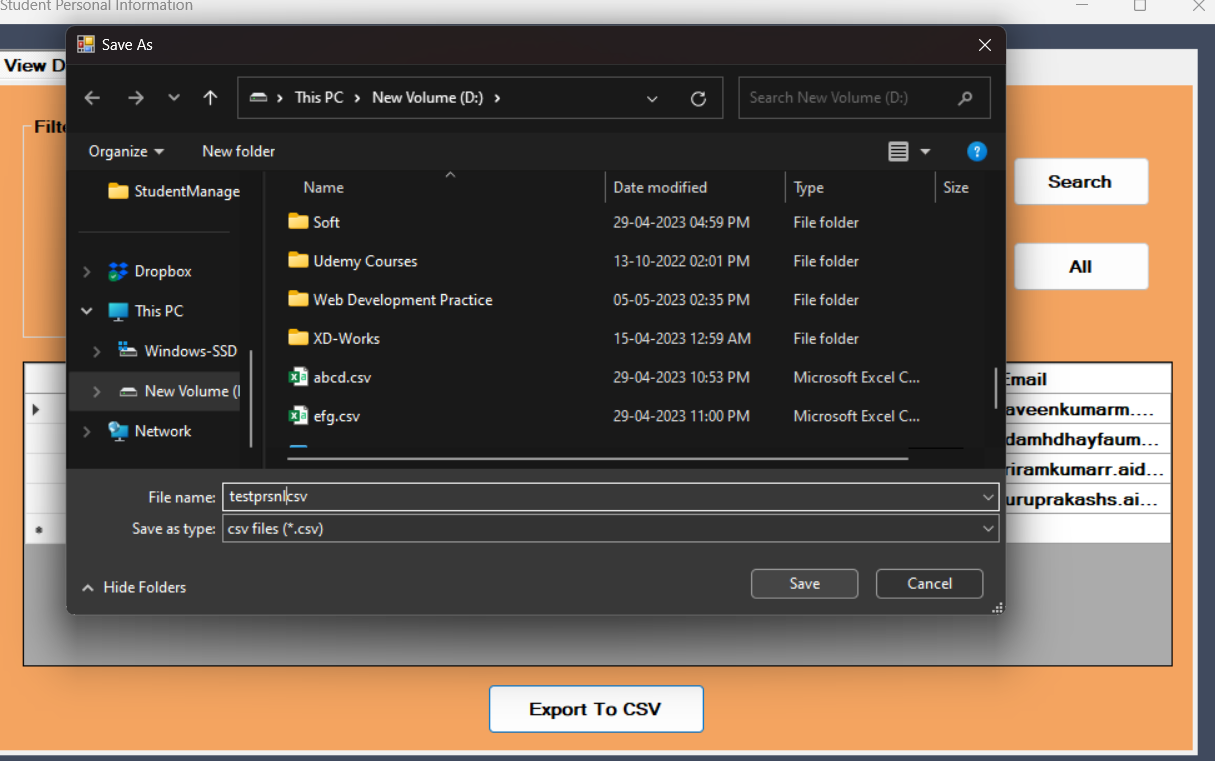
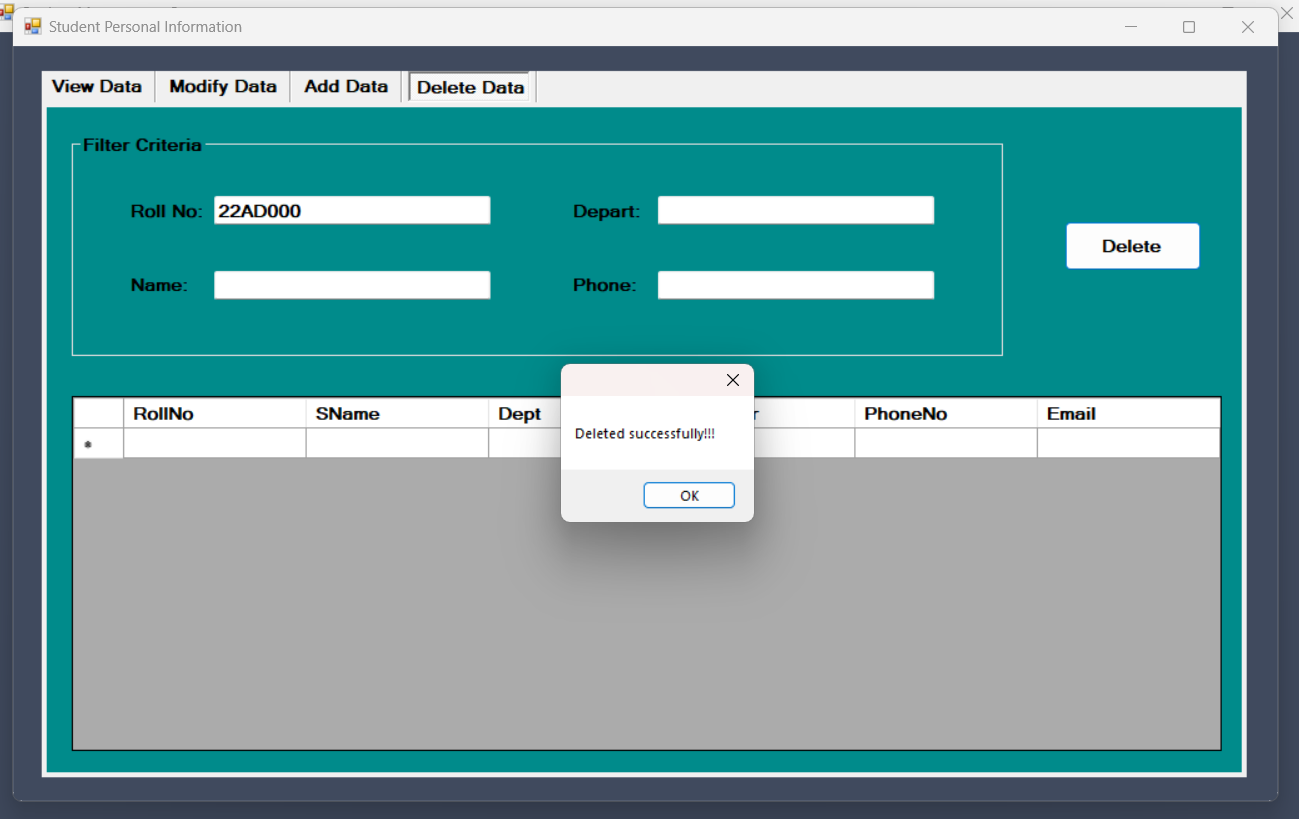
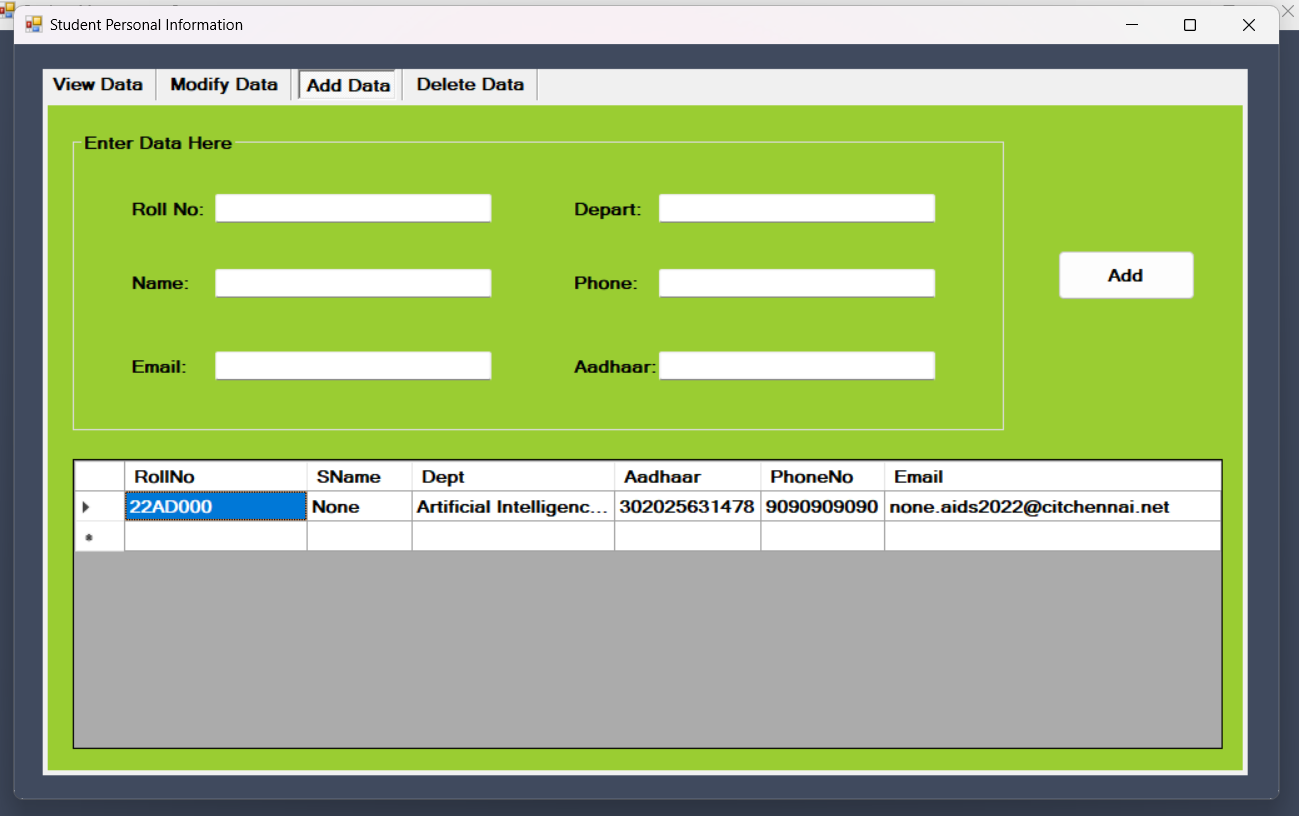
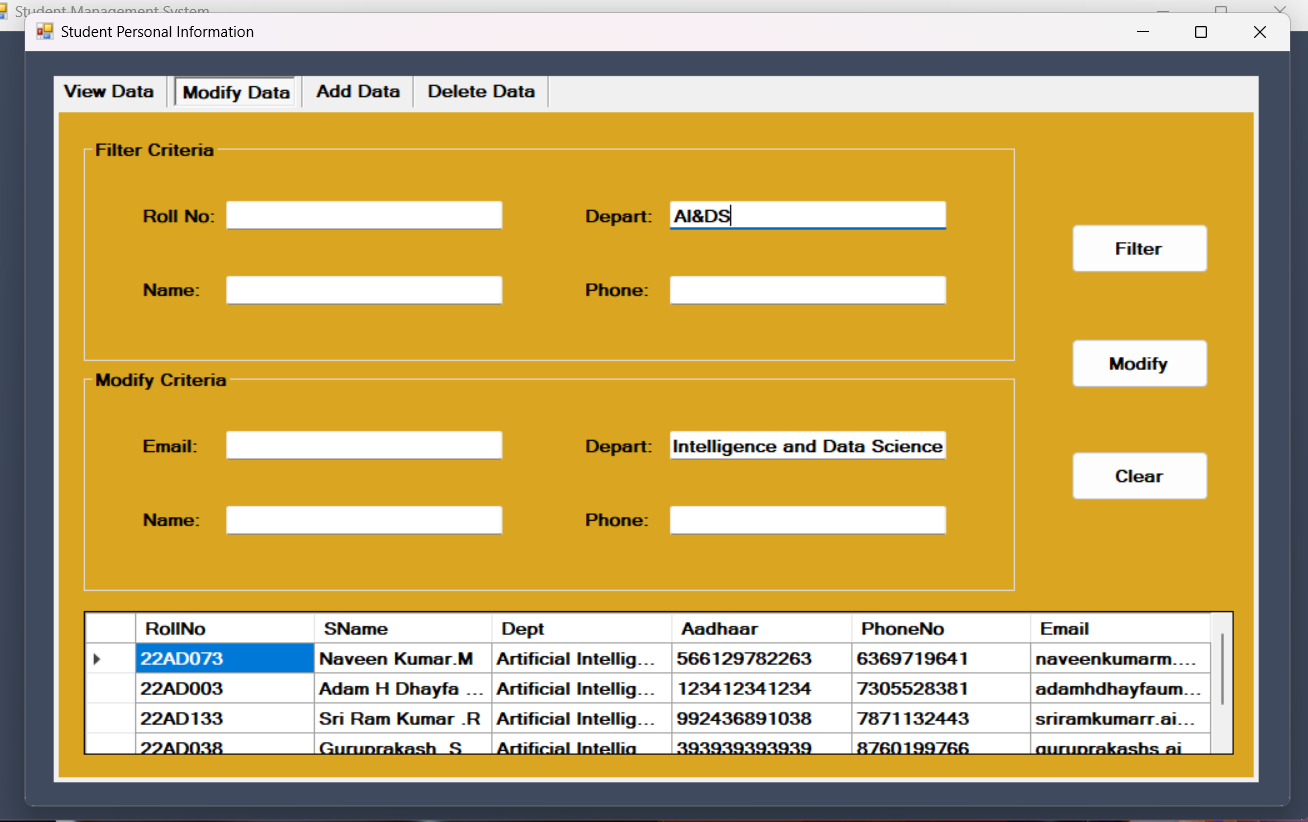
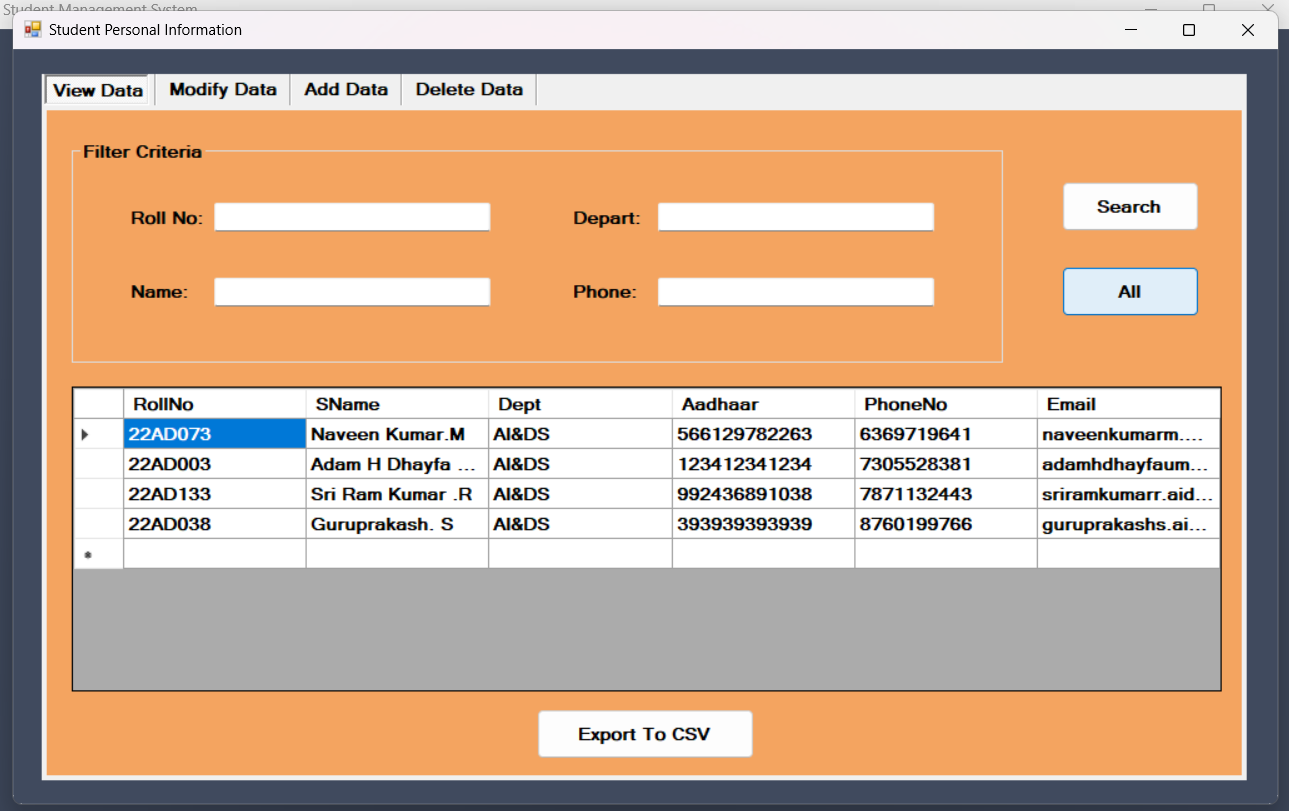
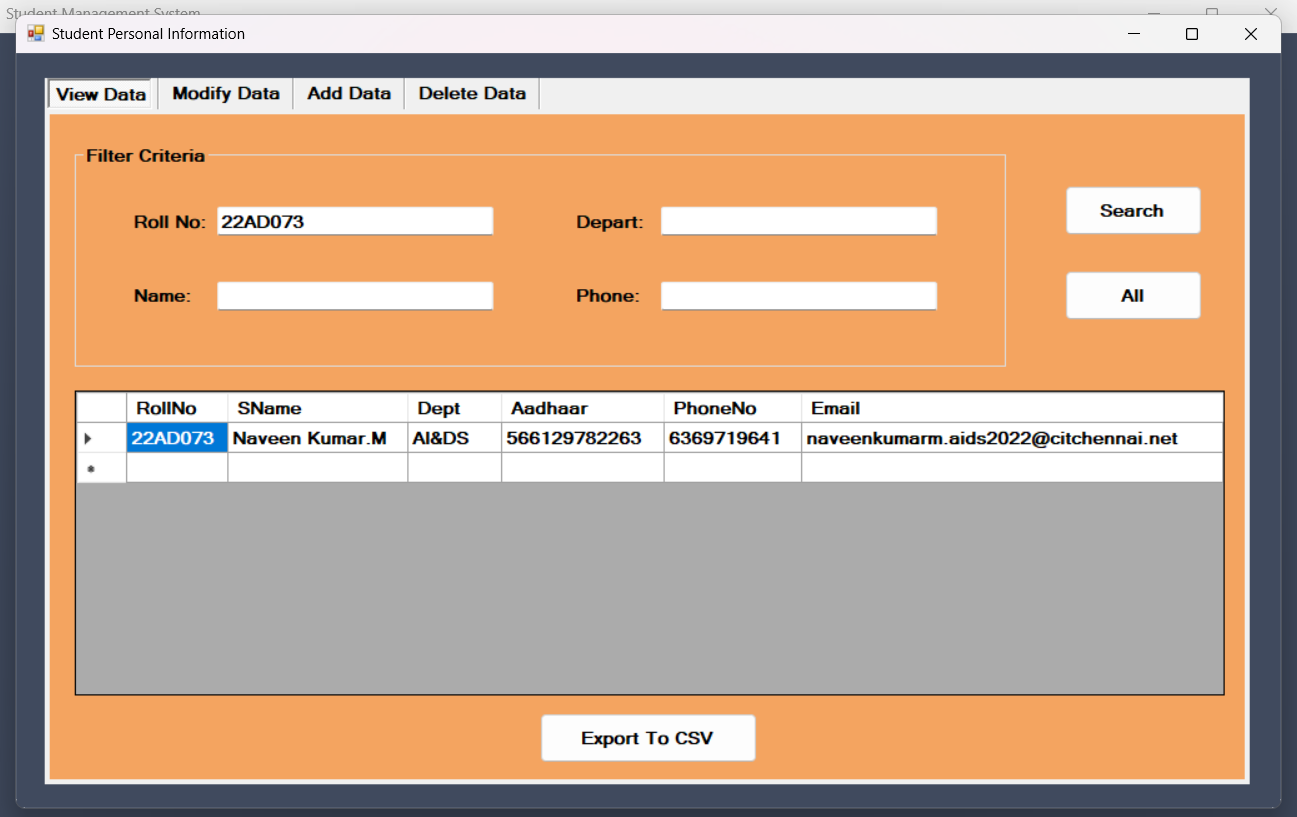
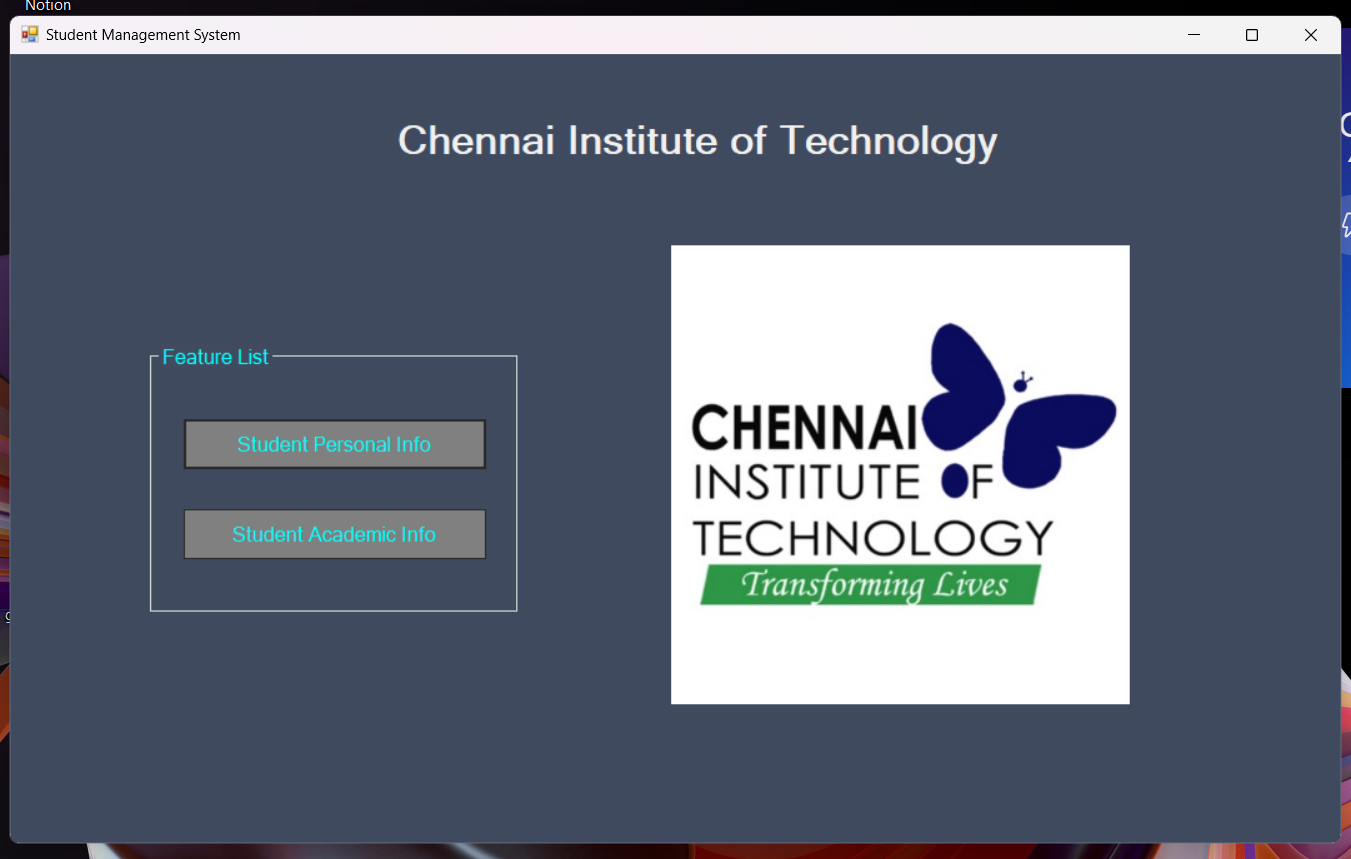
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}

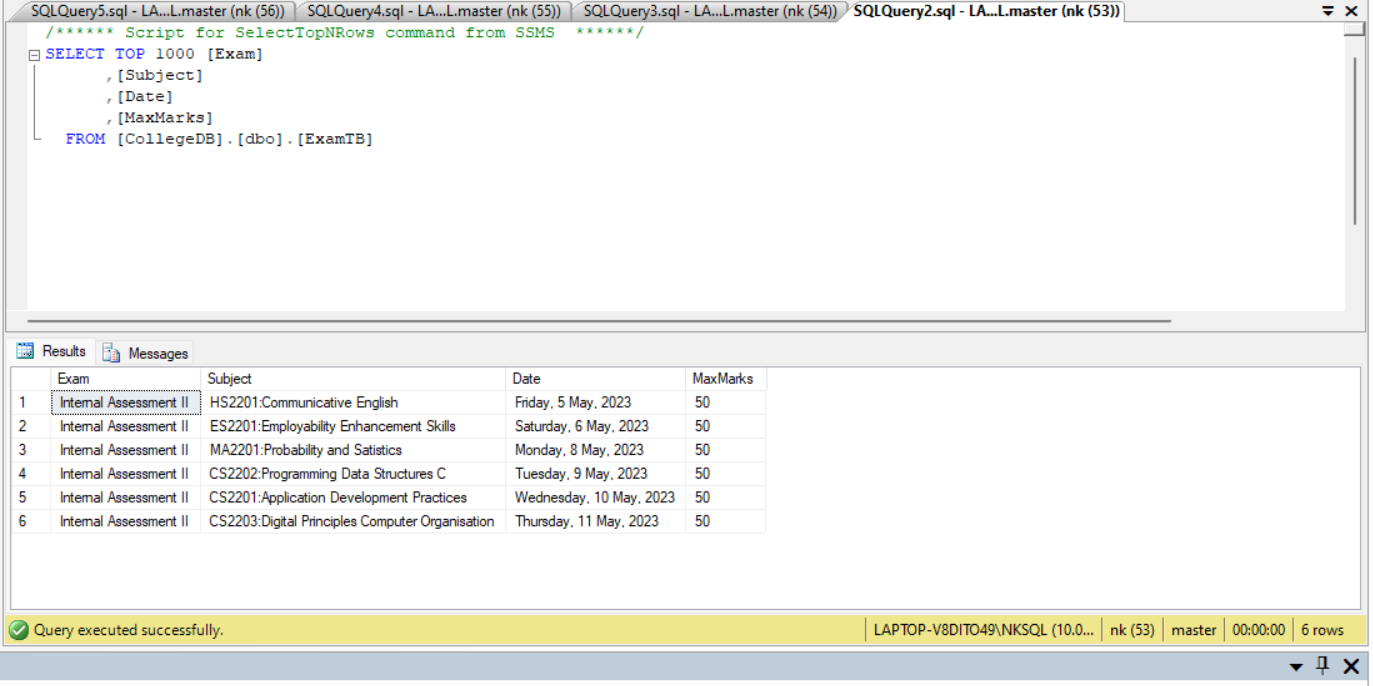
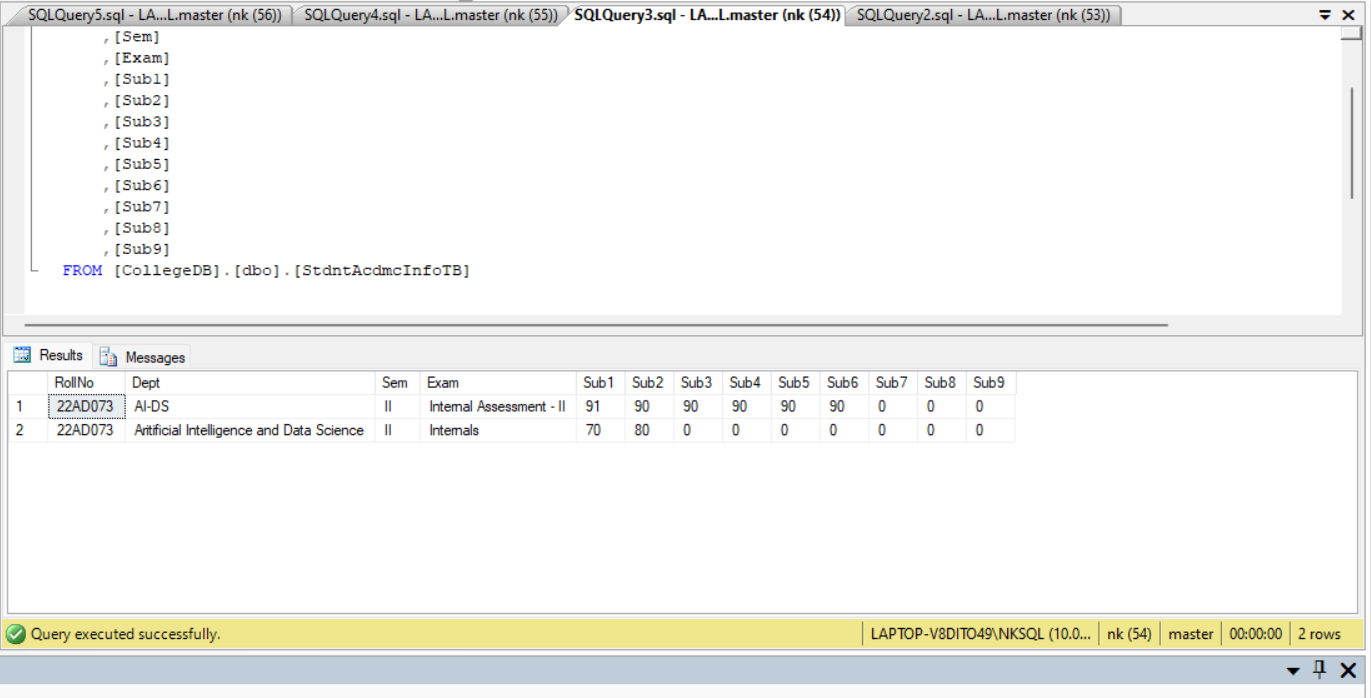
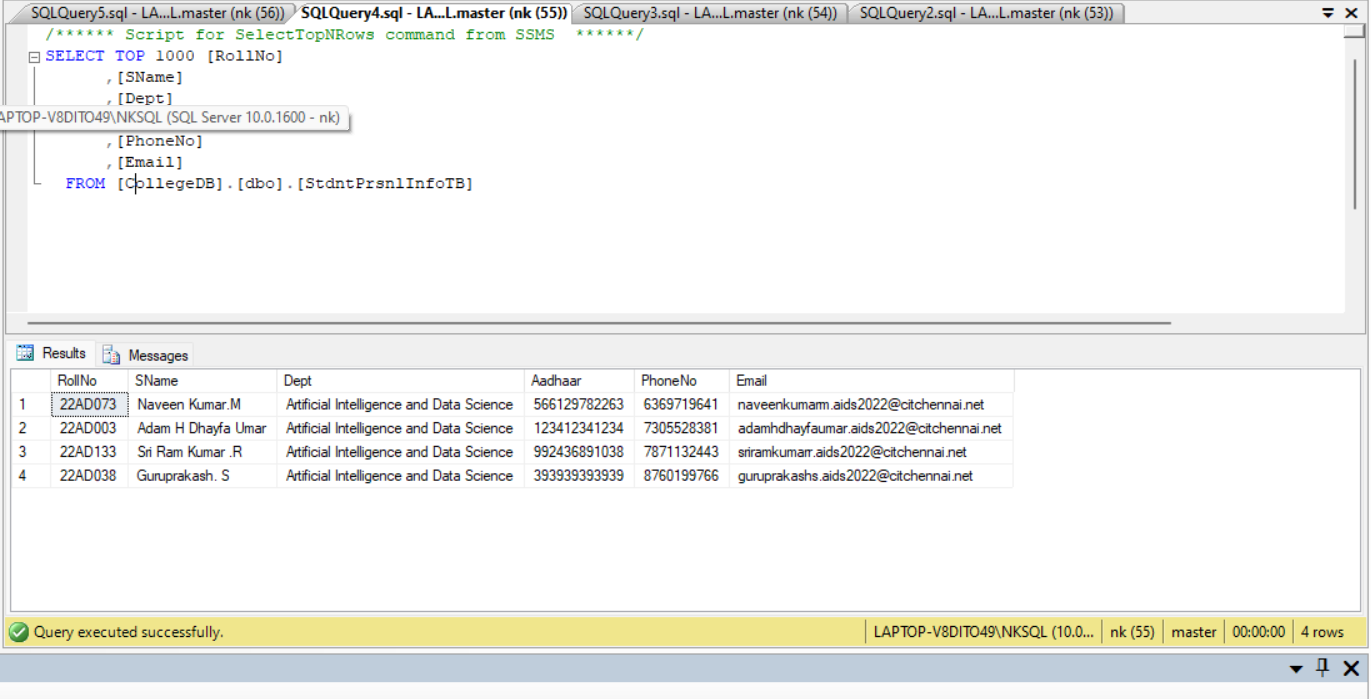
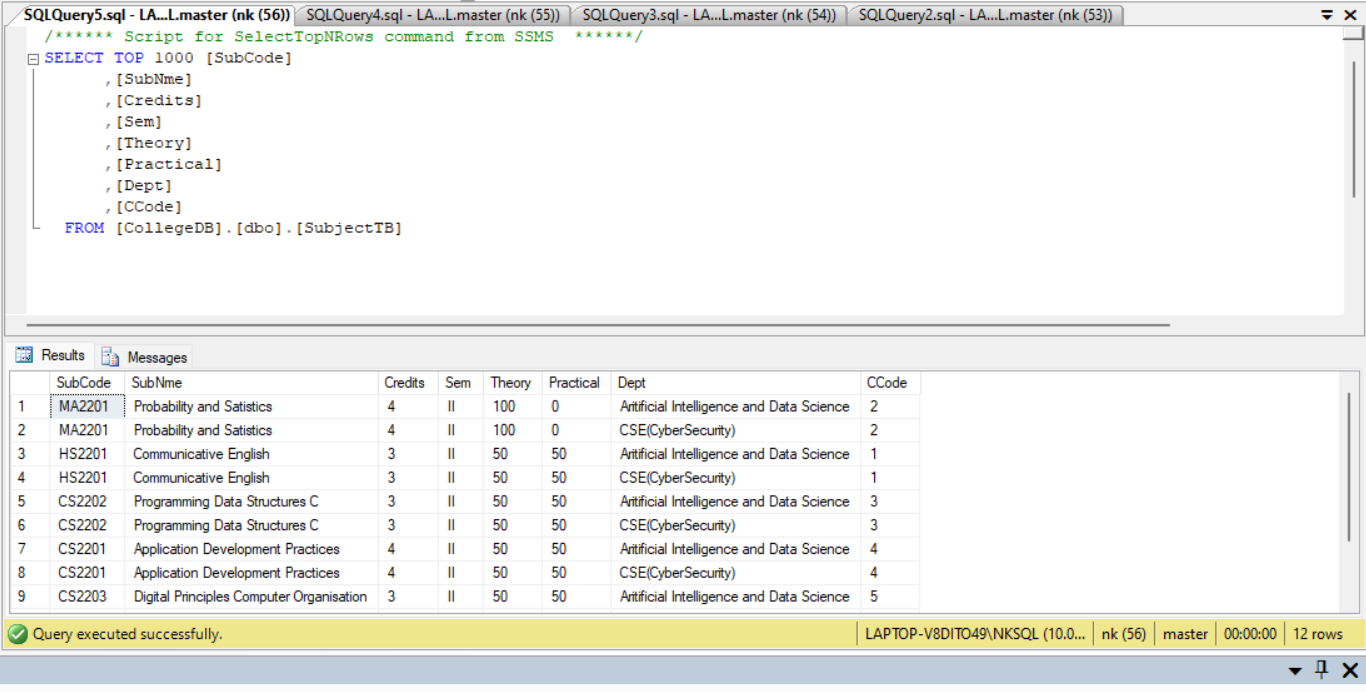
}

**Output Screen Shots**

****

****

**Database Screen Shots**

****