BÀI 1:

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Thực hiện các nút chức năng

Hướng dẫn:

* Xây dựng class có tên: “KetNoiDuLieu”

public class KetNoiDuLieu

{

public SqlConnection cnn = new SqlConnection("Data Source=.;Initial Catalog=QLDIEMSV;Integrated Security=True;");

public void myconnect()

{

cnn.Open();

}

public void myClose()

{

cnn.Close();

}

public DataTable taobang(string sql)

{

DataTable dt = new DataTable();

SqlDataAdapter ds = new SqlDataAdapter(sql,cnn);

ds.Fill(dt);

return dt;

}

public void them(string ma,string ho,string ten,DateTime ngaysinh,string phai, string makhoa)

{

string sql="insert into DMSV(MaSV,HoSV,TenSV,NgaySinh,Phai,MaKhoa)"+ "values('"+ ma +"',N'"+ ho +"',N'"+ ten +"','"+ ngaysinh.ToShortDateString() +"',N'"+ phai +"','"+ makhoa +"')";

SqlCommand cmd = new SqlCommand(sql,cnn);

cmd.ExecuteNonQuery();

}

public void xoa(string ma, string ho, string ten, DateTime ngaysinh, string phai, string makhoa)

{

string sql = "delete from dmsv where MaSV='"+ ma +"'";

SqlCommand cmd = new SqlCommand(sql,cnn);

cmd.ExecuteNonQuery();

}

public void sua(string ma, string ho, string ten, DateTime ngaysinh, string phai, string makhoa)

{

string sql = "update dmsv set HoSV=N'"+ ho +"',TenSV=N'"+ ten +"',NgaySinh='"+ ngaysinh.ToShortDateString() +"',Phai=N'"+ phai +"',MaKhoa='"+ makhoa +"' where MaSV='"+ ma +"'";

SqlCommand cmd = new SqlCommand(sql,cnn);

cmd.ExecuteNonQuery();

}

}

}

//----------------------

Các chức năng trên Form:

KetNoiDuLieu kn = new KetNoiDuLieu();

private void cmd\_Thoat\_Click(object sender, EventArgs e)

{

this.Close();

kn.myClose();

}

public void LoadDuLieu()

{

string sql = "SELECT \* FROM DMSV";

dataGridViewSV.DataSource = kn.taobang(sql);

}

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

{

kn.myconnect();

LoadDuLieu();

this.cmd\_Luu.Enabled = false;

this.cmd\_Huy.Enabled = false;

}

private void dataGridViewSV\_CellContentClick(object sender, DataGridViewCellEventArgs e)

{

int chiso = -1;

DataTable bang = new DataTable();

bang = (DataTable)dataGridViewSV.DataSource;

chiso = dataGridViewSV.SelectedCells[0].RowIndex;

DataRow hang = bang.Rows[chiso];

txt\_MaSV.Text = hang["masv"].ToString();

txt\_HoSV.Text = hang["hosv"].ToString();

txt\_TenSV.Text = hang["tensv"].ToString();

txt\_MaKhoa.Text = hang["makhoa"].ToString();

txt\_GioiTinh.Text = hang["phai"].ToString();

dt\_NgaySinh.Value = Convert.ToDateTime(hang["ngaysinh"].ToString());

}

private void cmd\_Them\_Click(object sender, EventArgs e)

{

txt\_MaSV.ResetText();

txt\_HoSV.ResetText();

txt\_MaKhoa.ResetText();

txt\_GioiTinh.ResetText();

dt\_NgaySinh.ResetText();

txt\_TenSV.ResetText();

txt\_MaSV.Focus();

this.cmd\_Luu.Enabled = true;

this.cmd\_Huy.Enabled = true;

this.cmd\_Them.Enabled = false;

LoadDuLieu();

}

private void cmd\_Luu\_Click(object sender, EventArgs e)

{

this.cmd\_Them.Enabled = true;

this.cmd\_Luu.Enabled = false;

this.cmd\_Huy.Enabled = false;

string s = "SELECT \* FROM DMSV where MaSV='"+ txt\_MaSV.Text +"'";

DataTable dt = new DataTable();

dt = kn.taobang(s);

if(dt.Rows.Count==0)

{

kn.them(txt\_MaSV.Text,txt\_HoSV.Text,txt\_TenSV.Text,dt\_NgaySinh.Value,txt\_GioiTinh.Text,txt\_MaKhoa.Text);

txt\_GioiTinh.ResetText();

txt\_HoSV.ResetText();

txt\_MaKhoa.ResetText();

txt\_MaSV.ResetText();

dt\_NgaySinh.ResetText();

txt\_TenSV.ResetText();

txt\_MaSV.Focus();

}

else

{

MessageBox.Show("Mã số sinh viên đã có, vui lòng nhập lại", "Thông Báo",MessageBoxButtons.OK,MessageBoxIcon.Information);

}

LoadDuLieu();

}

private void cmd\_Xoa\_Click(object sender, EventArgs e)

{

string s = "SELECT \* FROM DMSV where MaSV='" + txt\_MaSV.Text + "'";

DataTable dt = new DataTable();

dt = kn.taobang(s);

if(dt.Rows.Count !=0)

{

kn.xoa(txt\_MaSV.Text, txt\_HoSV.Text, txt\_TenSV.Text, dt\_NgaySinh.Value, txt\_GioiTinh.Text, txt\_MaKhoa.Text);

txt\_GioiTinh.ResetText();

txt\_HoSV.ResetText();

txt\_MaKhoa.ResetText();

txt\_MaSV.ResetText();

dt\_NgaySinh.ResetText();

txt\_TenSV.ResetText();

txt\_MaSV.Focus();

}

else

{

MessageBox.Show("Bạn chưa chọn dữ liệu để xoá", "Thông Báo",MessageBoxButtons.OK,MessageBoxIcon.Information);

}

LoadDuLieu();

}

private void cmd\_Sua\_Click(object sender, EventArgs e)

{

string s = "SELECT \* FROM DMSV where MaSV='" + txt\_MaSV.Text + "'";

DataTable dt = new DataTable();

dt = kn.taobang(s);

if(dt.Rows.Count !=0)

{

kn.sua(txt\_MaSV.Text, txt\_HoSV.Text, txt\_TenSV.Text, dt\_NgaySinh.Value, txt\_GioiTinh.Text, txt\_MaKhoa.Text);

}

else

{

MessageBox.Show("Bạn chưa chọn dữ liệu để sửa", "Thông Báo", MessageBoxButtons.OK, MessageBoxIcon.Information);

}

LoadDuLieu();

}

private void cmd\_Huy\_Click(object sender, EventArgs e)

{

txt\_GioiTinh.ResetText();

txt\_HoSV.ResetText();

txt\_MaKhoa.ResetText();

txt\_MaSV.ResetText();

dt\_NgaySinh.ResetText();

txt\_TenSV.ResetText();

txt\_MaSV.Focus();

this.cmd\_Them.Enabled = true;

LoadDuLieu();

}

}

//----------------------------------

BÀI 2:

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public class KetNoiDuLieu

{

public SqlConnection cnn = new SqlConnection("Data Source=.;Initial Catalog=QLDIEMSV;Integrated Security=True;");

public void myconnect()

{

cnn.Open();

}

public void myclose()

{

cnn.Close();

}

public DataTable taobang(string sql)

{

DataTable dt = new DataTable();

SqlDataAdapter ds = new SqlDataAdapter(sql,cnn);

ds.Fill(dt);

return (dt);

}

}

//----------------------

KetNoiDuLieu kn = new KetNoiDuLieu();

private void cmd\_Thoat\_Click(object sender, EventArgs e)

{

this.Close();

kn.myclose();

}

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

{

kn.myconnect();

string sql = "SELECT \* FROM DMKHOA";

cbMaKhoa.DataSource = kn.taobang(sql);

cbMaKhoa.DisplayMember = "MaKhoa";

}

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

{

//load dữ liệu từ Combobox xuống text

string s = "SELECT \* FROM DMKHOA where MaKhoa='" + cbMaKhoa.Text +"'";

DataTable d = kn.taobang(s);

foreach (DataRow hang in d.Rows)

txt\_TenKhoa.Text = hang["TenKhoa"].ToString();

//load dữ liệu lên DataGridview

string s1 = "SELECT MaSV,HoSV,TenSV,NgaySinh From DMSV sv,DMKHOA kh where (sv.MaKhoa=kh.MaKhoa) and (kh.MaKhoa='"+ cbMaKhoa.Text +"')";

dataGridViewSV.DataSource = kn.taobang(s1);

string s2 = "SELECT COUNT(MaKhoa) FROM DMSV where MaKhoa='" + cbMaKhoa.Text + "' group by MaKhoa";

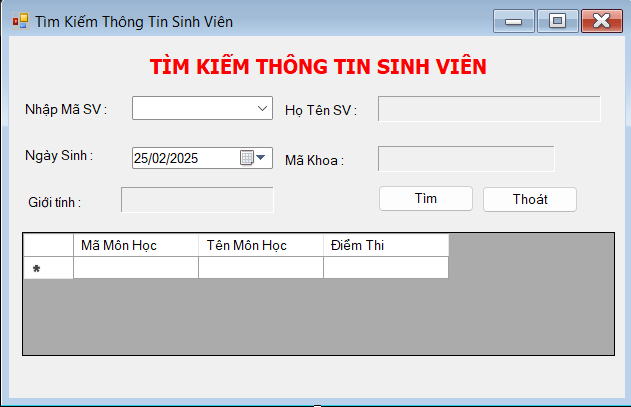
txt\_TongSV.Text=(dataGridViewSV.Rows.Count-1).ToString();

}

}

//-------------------------------

BÀI 3:



BÀI 4:

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BÀI 5:

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