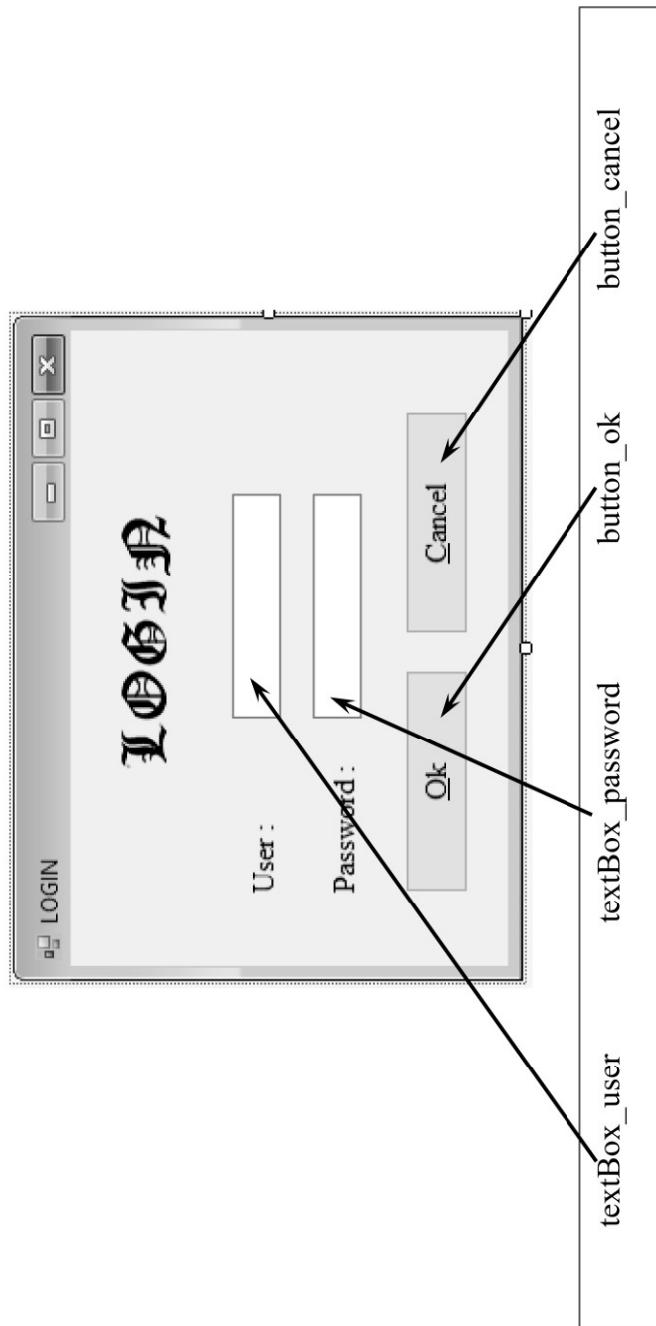
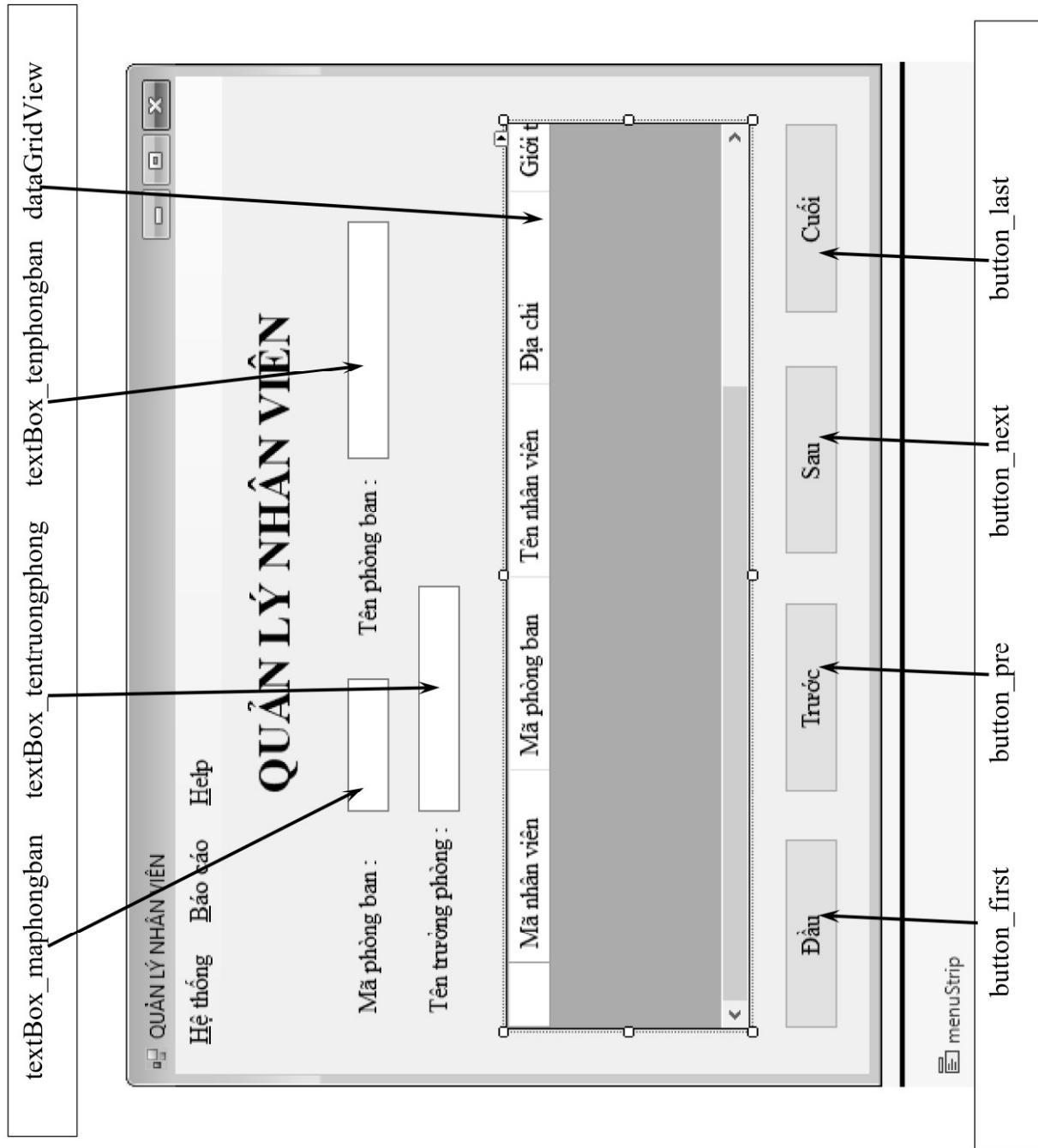
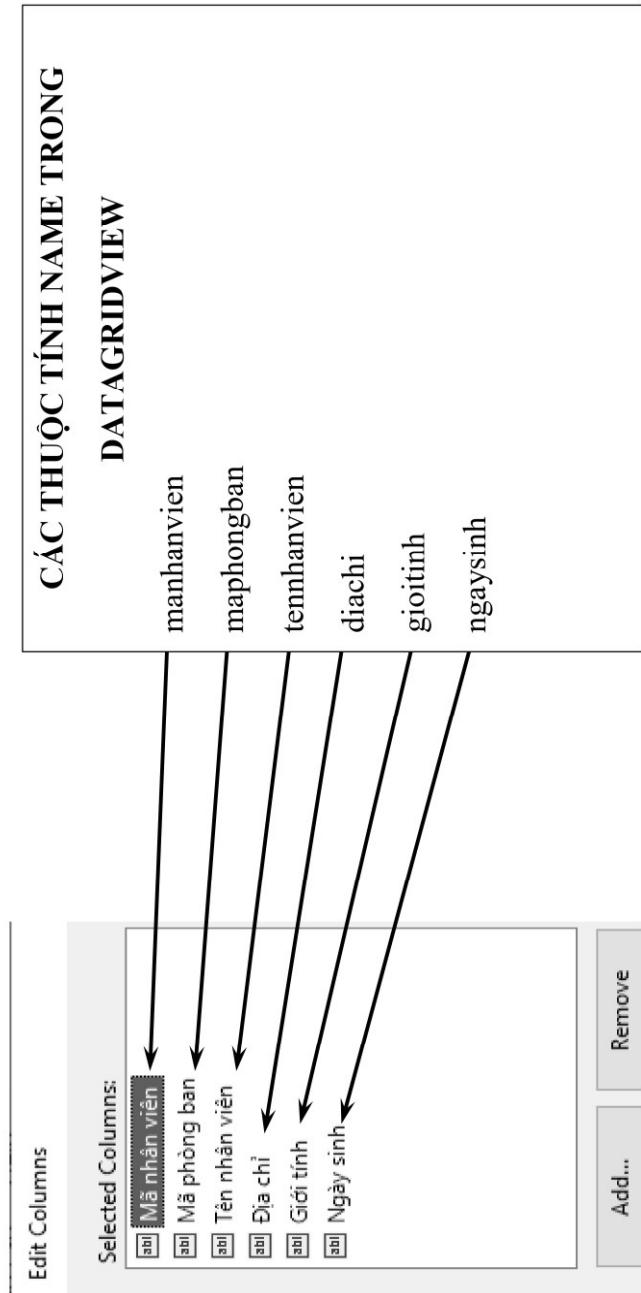
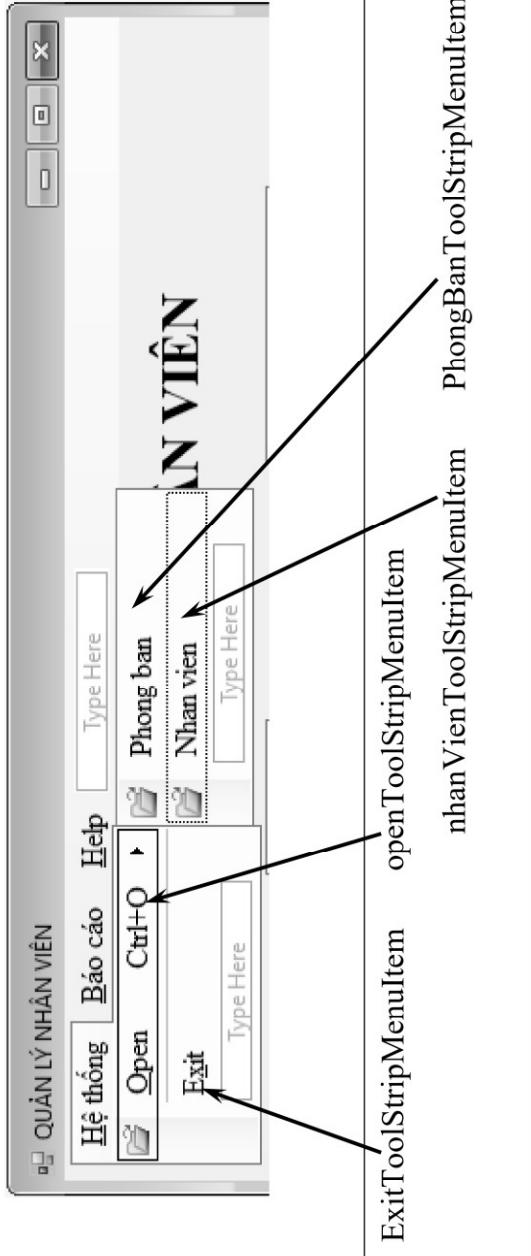


TAO FORM LOGIN







FORM NHÂN VIÊN

Mã nhân viên	Mã phòng ban	Tên nhân viên	Địa chỉ	Giới tính
textBox_manhavien	comboBox_maphongban	textBox_tennhanvien	dateTimePicker_ngaysinh	checkbox_gioitinh

nhân viên

NHÂN VIÊN

Mã nhân viên: Tên nhân viên: Mã phòng ban:

Địa chỉ: Giới tính: Ngày sinh:

Sửa Thêm Xóa Thoát

button_update button_delete dataGridView

CÁC THUỘC TÍNH NAME TRONG

DATAGRIDVIEW

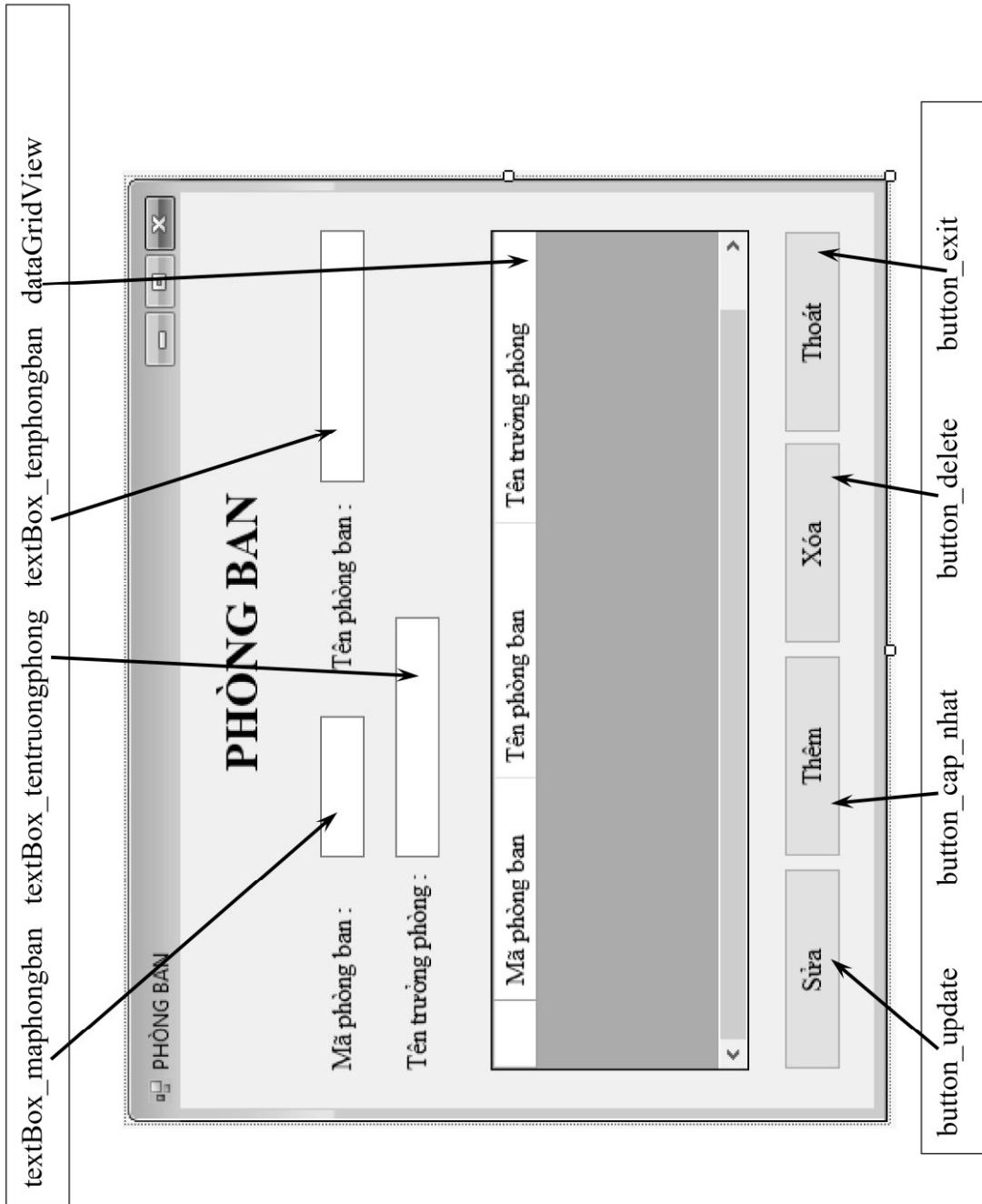
Edit Columns

Selected Columns:

<input checked="" type="checkbox"/> Mã nhân viên	
<input type="checkbox"/> Mã phòng ban	
<input type="checkbox"/> Tên nhân viên	
<input type="checkbox"/> Địa chỉ	
<input type="checkbox"/> Giới tính	
<input type="checkbox"/> Ngày sinh	

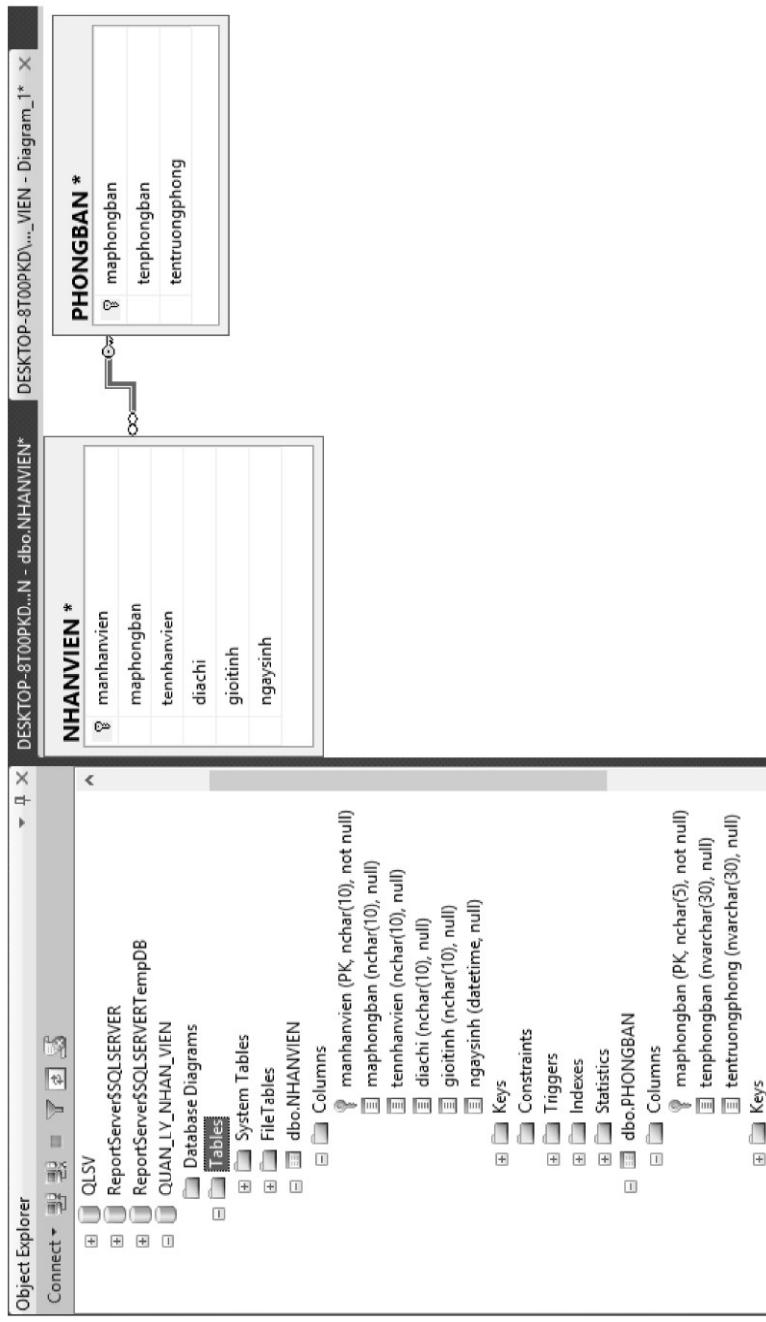
Add... Remove

manhanvien
maphongban
tennhanvien
diachi
gioitinh
ngaysinh





THIẾT KẾ CSDL



PHƯƠNG THỨC CLICK CỦA FORM ĐĂNG NHẬP

```
private void button_ok_Click(object sender, EventArgs e){
    main_form.main_form = new main_form();
    if (this.textBox_user.Text.ToUpper() == "admin".ToUpper() &&
        this.textBox_password.Text == "duoc")
    {
        main_form.addmin = 1;
    }
    else
        if (this.textBox_user.Text.ToUpper() == "gues".ToUpper() &&
            this.textBox_password.Text == "gues")
    {
        main_form.addmin = 0;
    }
    else this.button_cancel_Click(this, e);
    main_form.Show();
    this.Hide();
}
```

MÃ NGUỒN Ở MAIN_FORM

```
public partial class main_form : Form{
    private Form1 Form1;
    public int addmin = 0;
    public static SqlConnection connect = new SqlConnection(@"Data Source=DESKTOP-
8T00PKD\SQLEXPRESS;Initial Catalog=
QUAN_LY_NHAN_VIEN;Integrated Security=True");
    int index = 0;
    DataTable datatable;
    //-----
    public void Execute_Query(string query){
        try{
            connect.Open();
            SqlCommand sqlCommand = new SqlCommand(query, connect);
            int k = sqlCommand.ExecuteNonQuery();
            connect.Close();
        }
        catch (Exception) { MessageBox.Show("Error a !!!", "C# Programming",
```

```

        MessageBoxButtons.OK, MessageBoxIcon.Information); }

}

//-----
//Kiểm tra khoa
public bool Check_Key(string sql, string key){
    bool ok = false;
    try{
        connect.Open();
        SqlCommand command = new SqlCommand(sql, connect);
        SqlDataReader data = command.ExecuteReader();
        if (data.Read() && (data.GetString(0).ToUpper() == key.ToUpper()))
            ok = true;
        connect.Close();
    }
    catch (Exception) { MessageBox.Show("Error !!!", "C# Programming",
        MessageBoxButtons.OK, MessageBoxIcon.Information); }

    return ok;
}

//-----
public main_form(Form1 Form1){
    InitializeComponent();
    this.Form1 = Form1;
}

//-----
private void exitToolStripMenuItem_Click(object sender, EventArgs e){
    this.Form1.Close();
}

//-----
private void nhanVienToolStripMenuItem_Click(object sender, EventArgs e){
    nhan_vien nhan_vien = new nhan_vien(this);
    nhan_vien.Show();
    this.Hide();
}

//-----
private void phongBanToolStripMenuItem_Click(object sender, EventArgs e){
    phong_ban phong_ban = new phong_ban(this);
    phong_ban.Show();
    this.Hide();
}

```

```

private void main_form_FormClosed(object sender, FormClosedEventArgs e){
    this.Form1.Close();
}

//-----
private void View_database(int index){
    try{
        this.textBox_maphangban.Text = datatable.Rows[index][0].ToString();
        this.textBox_tenphongban.Text = datatable.Rows[index][1].ToString();
        this.textBox_tentruongphong.Text =
            datatable.Rows[index][2].ToString();

        string sql = "SELECT * FROM NHANVIEN WHERE (maphangban = '" +
                    this.textBox_maphangban.Text + "')";

        SqlCommand command = new SqlCommand(sql, connect);
        SqlDataAdapter dataAdapter = new SqlDataAdapter(command);
        DataTable data_table = new DataTable();
        dataAdapter.Fill(data_table);

        connect.Close(); this.dataGridView.DataSource = data_table;
    }
    catch (Exception) { MessageBox.Show("Error !!!","C# Programming",
                                         MessageBoxButtons.OK, MessageBoxIcon.Information); }

}

//-----
private void main_form_Load(object sender, EventArgs e){
    try{
        string sql = "SELECT * FROM PHONGBAN";
        connect.Open();
        SqlCommand command = new SqlCommand(sql, connect);
        SqlDataAdapter dataAdapter = new SqlDataAdapter(command);
        datatable = new DataTable();
        dataAdapter.Fill(datatable);
        connect.Close();
        index = 0;
        if(datatable.Rows.Count > 0)View_database(index);
    }
    catch (Exception) { MessageBox.Show("Error !!!","C# Programming",
                                         MessageBoxButtons.OK, MessageBoxIcon.Information); }

}

//-----
private void button_next_Click(object sender, EventArgs e){
}

```

```

try{
    if (index < datatable.Rows.Count - 1){
        index++;
        View_database(index);
    } else MessageBox.Show("Đã quá bàn ghi cuối","C# Programming",
        MessageBoxButtons.OK, MessageBoxIcon.Information);
}
catch (Exception) { MessageBox.Show("Error !!!","C# Programming",
    MessageBoxButtons.OK, MessageBoxIcon.Error); }

}

//-----
private void button_pre_Click(object sender, EventArgs e){
try{
    if (index > 0){
        index--;
        View_database(index);
    } else MessageBox.Show("Đã quá bàn ghi đầu","C# Programming",
        MessageBoxButtons.OK, MessageBoxIcon.Information);
}
catch (Exception) { MessageBox.Show("Error !!!","C# Programming",
    MessageBoxButtons.OK, MessageBoxIcon.Error); }

}

//-----
private void button_last_Click(object sender, EventArgs e){
index = datatable.Rows.Count - 1;
View_database(index);
}

//-----
private void button_first_Click(object sender, EventArgs e){
index = 0;
View_database(index);
}
}

```

MÃ NGUỒN BẢNG PHÒNG BẢN

```
public partial class phong_ban : Form
{
    private main_form main_form;
    string str;
}

private void View_database(string sql){
    try{
        main_form.connect.Open();
        SqlCommand command = new SqlCommand(sql, main_form.connect);
        SqlDataAdapter dataadapter = new SqlDataAdapter(command);
        DataTable datatable = new DataTable();
        dataadapter.Fill(datatable);
        main_form.connect.Close();
        this.dataGridView.DataSource = datatable;
    }
}

public phong_ban(main_form main_form){
    InitializeComponent();
    this.main_form = main_form;
}

private void button_exit_Click(object sender, EventArgs e){
    main_form.Show();
    this.Close();
}

private void phong_ban_FormClosed(object sender, FormClosedEventArgs e){
    main_form.Show();
}

private void phong_ban_Load(object sender, EventArgs e){
    string sql = "SELECT * FROM PHONGBAN";
    this.View_database(sql);
    if (this.dataGridView.RowCount > 0)
    {
        str = this.textBox_maphongban.Text = this.dataGridView.
```

```

Rows[this.dataGridView.CurrentRow.Index].Cells[0].Value.ToString();
this.textBox_tenphongban.Text = this.dataGridView.CurrentRow.Cells[1].Value.ToString();
Rows[this.dataGridView.CurrentRow.Index].Cells[2].Value.ToString();
this.textBox_tentruongphong.Text = this.dataGridView.CurrentRow.Cells[3].Value.ToString();
Rows[this.dataGridView.CurrentRow.Index].Cells[4].Value.ToString();
}

//-----
private void dataGridView_CellClick(object sender,
DataEventArgs e){
str = this.textBox_maphongban.Text = this.dataGridView.CurrentRow.Cells[0].Value.ToString();
Rows[this.dataGridView.CurrentRow.Index].Cells[0].Value.ToString();
this.textBox_tenphongban.Text = this.dataGridView.CurrentRow.Cells[1].Value.ToString();
Rows[this.dataGridView.CurrentRow.Index].Cells[1].Value.ToString();
this.textBox_tentruongphong.Text = this.dataGridView.CurrentRow.Cells[2].Value.ToString();
Rows[this.dataGridView.CurrentRow.Index].Cells[2].Value.ToString();
}

//-----
private void button_cap_nhat_Click(object sender, EventArgs e){
if (this.main_form.addmin == 0)
MessageBox.Show("Bạn không có chức năng này", "C# Programming",
MessageBoxButtons.OK, MessageBoxIcon.Information);
else {
string key_pb = this.textBox_maphongban.Text;
string sql_pb = "SELECT maphongban FROM PHONGBAN WHERE maphongban = '" + key_pb + "'";
if (this.textBox_maphongban.Text != ""
&& !this.main_form.Check_Key(sql_pb, key_pb))
{
string query = "INSERT INTO PHONGBAN (maphongban, tenphongban,
tentruongphong) VALUES('"
+ this.textBox_maphongban.Text + "','"'
+ this.textBox_tenphongban.Text + "','"'
+ this.textBox_tentruongphong.Text + "','"'
+ this.main_form.Execute_Query(query);
string sq1 = "SELECT * FROM PHONGBAN";
View_database(sq1);
}
else MessageBox.Show("Khóa rỗng hoặc trùng", "C# Programming",
MessageBoxButtons.OK, MessageBoxIcon.Information);
}
}

```

```

        }

    }
}

//-----
private void button_delete_Click(object sender, EventArgs e){
    if (this.main_form.addmin == 0)
        MessageBox.Show("Bạn không có chức năng này", "C# Programming",
                        MessageBoxButtons.OK, MessageBoxIcon.Information);
    else {
        try {
            if (MessageBox.Show("Bạn chắc chắn xóa bản ghi này ?",
                               "C# Programming", MessageBoxButtons.OKCancel,
                               MessageBoxIcon.Question).ToString() == "OK")
            {
                this.main_form.ExecuteNonQuery(@"
                    DELETE FROM PHONGBAN WHERE
                    (maphongban = '" + str + "')");
                string sql = "SELECT * FROM PHONGBAN";
                View_database(sql);
                if (this.dataGridView.RowCount > 0)
                {
                    str = this.textBox_maphongban.Text = this.dataGridView.
                    Rows[this.dataGridView.CurrentRow.Index].Cells[0].Value.ToString();
                    this.textBox_tenphongban.Text = this.dataGridView.
                    Rows[this.dataGridView.CurrentRow.Index].Cells[1].Value.ToString();
                    this.textBox_tentruongphong.Text = this.dataGridView.
                    Rows[this.dataGridView.CurrentRow.Index].Cells[2].Value.ToString();
                }
            }
            catch (Exception) { MessageBox.Show("Error sss !!!", "C# Programming",
                                                MessageBoxButtons.OK, MessageBoxIcon.Error); }
        }
    }
}

//-----
private void button_update_Click(object sender, EventArgs e)
{
    if (this.main_form.addmin == 0)
        MessageBox.Show("Bạn không có chức năng này", "C# Programming",
                        MessageBoxButtons.OK, MessageBoxIcon.Information);
    else

```

```

{
    string key = this.textBox_maphongban.Text;
    string sql = "SELECT maphongban FROM PHONGBAN WHERE mapnghongban = "
                + key + "'";
    if (this.textBox_maphongban.Text != ""
        && this.main_form.Check_Key(sql, key))
    {
        string query = "UPDATE PHONGBAN SET temphongban='"
        + this.textBox_tenphongban.Text
        + "' ,tentruongphong=''' + this.textBox_tentruongphong.Text
        + ''' WHERE (maphongban = ''' + this.textBox_mapnghongban.Text + ''')";
        this.main_form.Execute_Query(query);
        sql = "SELECT * FROM PHONGBAN";
        View_database(sql);
    }
    else MessageBox.Show("Khóa rỗng hoặc không hợp lệ", "C# Programming",
        MessageBoxButtons.OK, MessageBoxIcon.Information);
}
}

```

MÃ NGUỒN BẢNG NHÂN VIÊN

```
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 quan_ly_nhan_vien{
    public partial class nhan_vien : Form{
        private main_form main_form;
        string str;
        //-----
        private void View_database(string sql){
            try{
                main_form.connect.Open();
                SqlCommand command = new SqlCommand(sql, main_form.connect);
                SqlDataAdapter dataadapter = new SqlDataAdapter(command);
                DataTable datatable = new DataTable();
                dataadapter.Fill(datatable);
                main_form.connect.Close();
                this.dataGridView.DataSource = datatable;
            }
            catch (Exception) { MessageBox.Show("Error !!!", "C# Programming", MessageBoxButtons.OK, MessageBoxIcon.Error); }
        }
        //-----
        public void Combobox_Data(ComboBox Combobox)
        {
            try
            {
                string sql = "SELECT maphongban FROM PHONGBAN";
                main_form.connect.Open();
                SqlCommand command = new SqlCommand(sql, main_form.connect);
                SqlDataReader data = command.ExecuteReader();
                int i = 0;
                while (data.Read()) { Combobox.Items.Add(data.GetString(0));i++; }
            }
        }
    }
}
```

```

        main_form.connect.Close();
    }

    catch (Exception) { MessageBox.Show("Error !!!", "C# Programming", MessageBoxButtons.OK, MessageBoxIcon.Information);
    }

}

//-----
public nhan_vien(main_form main_form){
    InitializeComponent();
    this.main_form = main_form;
}

//-----
private void button_exit_Click(object sender, EventArgs e){
    main_form.Show();
    this.Close();
}

//-----
private void nhan_vien_FormClosed(object sender, FormClosedEventArgs e){
    main_form.Show();
}

//-----
private void nhan_vien_Load(object sender, EventArgs e){
    string sql = "SELECT * FROM NHANVIEN";
    this.View_database(sql);
    if (this.dataGridView.RowCount > 0)
    {
        str = this.textBox_manhanvien.Text = this.dataGridView.
            Rows[this.dataGridView.CurrentRow.Index].Cells[0].Value.ToString();
        this.comboBox_maphongban.Text = this.dataGridView.
            Rows[this.dataGridView.CurrentRow.Index].Cells[1].Value.ToString();
        this.textBox_tennhanvien.Text = this.dataGridView.
            Rows[this.dataGridView.CurrentRow.Index].Cells[2].Value.ToString();
        this.textBox_diachi.Text = this.dataGridView.
            Rows[this.dataGridView.CurrentRow.Index].Cells[3].Value.ToString();
        this.textBox_gioitinh.Text = this.dataGridView.
            Rows[this.dataGridView.CurrentRow.Index].Cells[4].Value.ToString();
        int yyyy = int.Parse(this.dataGridView.
            Rows[this.dataGridView.CurrentRow.Index].Cells[5].Value.ToString().Substring(0, 4));
        int mm = int.Parse(this.dataGridView.
            Rows[this.dataGridView.CurrentRow.Index].Cells[5].Value.ToString().Substring(5, 2));
        int dd = int.Parse(this.dataGridView.
    
```

```

        Rows[this.dataGridView.CurrentRow.Index].Cells[5].Value.ToString() .Substring(8, 2));
    }

}

//-----
private void dataGridView_CellClick(object sender, DataGridViewCellEventArgs e){
if (this.dataGridView.CurrentRow.Index != -1)
{
    str = this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[0].Value.ToString();
    this.textBox_manhanvien.Text = str;
    this.comboBox_maphongban.Text =
        this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[1].Value.ToString();
    this.textBox_tennhanvien.Text =
        this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[2].Value.ToString();
    this.textBox_diachi.Text =
        this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[3].Value.ToString();
    this.textBox_gioitinh.Text =
        this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[4].Value.ToString();
    string ngay = this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[5].Value.ToString();
    int yyyy=0;
    int mm=0;
    int dd=0;
    int k = 0;
    for (int i = 0; i < ngay.Length; i++)
    {
        if (ngay[i] == '/' && k == 0)
        {
            yyyy = int.Parse(ngay.Substring(0, 4));
            k = i + 1;
        }
        else
            if (ngay[i] == '/' && k > 0)
            {
                mm = int.Parse(ngay.Substring(k, i - k));
                k = i + 1;
            }
        else
            if (i > 7) {
                dd = int.Parse(ngay.Substring(k, ngay.Length - k));
}
}
}

```

```

        }
        this.dateTimePicker_ngaysinh.Value = new DateTime(yyyy, mm, dd);
    }

}

//-----
private void comboBox_maphongban_Click(object sender, EventArgs e)
{
    comboBox_maphongban.Items.Clear();
    ComboBoxData(this.comboBox_maphongban);
}

private void button_delete_Click(object sender, EventArgs e)
{
    if (this.main_form.addmin == 0) MessageBox.Show("Bạn không có chức năng này",
        "C# Programming", MessageBoxButtons.OKCancel, MessageBoxIcon.Information);
    else
    {
        try
        {
            if (MessageBox.Show("Bạn chắc chắn xóa bàn ghi này ?",
                "C# Programming", MessageBoxButtons.OKCancel, MessageBoxIcon.Question) == "OK")
            {
                this.main_form.ExecuteNonQuery(@"DELETE FROM NHANVIEN WHERE (manhanvien='"
                    + str + str + "')");
                string sql = "SELECT * FROM NHANVIEN";
                View_database(sql);
                if (this.dataGridView.RowCount > 0)
                {
                    str = this.textBox_manhanvien.Text =
                        this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[0].Value.ToString();
                    this.comboBox_maphongban.Text =
                        this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[1].Value.ToString();
                    this.textBox_tennhanvien.Text =
                        this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[2].Value.ToString();
                    this.textBox_diachi.Text =
                        this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[3].Value.ToString();
                    this.textBox_gioitinh.Text =
                        this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[4].Value.ToString();
                }
            }
        }
    }
}
int dd = int.Parse(this.dataGridView1.Parse());

```

```

        Rows[this.dataGridView.CurrentRow.Index].Cells[5].Value.ToString() .Substring(0, 2));
    int mm = int.Parse(this.dataGridView.CurrentRow.Cells[5].Value.ToString());
    Rows[this.dataGridView.CurrentRow.Index].Cells[5].Value.ToString() .Substring(3, 2));
    int yyyy = int.Parse(this.dataGridView.CurrentRow.Cells[5].Value.ToString());
    Rows[this.dataGridView.CurrentRow.Index].Cells[5].Value.ToString() .Substring(6, 4));
    this.dateTimePicker_ngaysinh.Value = new DateTime(yyyy, mm, dd);
}

}
catch (Exception) { MessageBox.Show("Error !!!", "C# Programming", MessageBoxButtons.OK, MessageBoxIcon.Error);
}

}

private void button_them_moi_Click(object sender, EventArgs e)
{
    if (this.main_form.addmin == 0)
        MessageBox.Show("Bạn không có chức năng này", "C# Programming", MessageBoxButtons.OK, MessageBoxIcon.Information);
    else
    {
        string key_nv = this.textBox_manhanvien.Text;
        string key_pb = this.comboBox_maphongban.Text;
        string sql_nv = "SELECT manhanvien FROM NHANVIEN WHERE manhanvien = '" + key_nv + "'";
        string sql_pb = "SELECT maphongban FROM PHONGBAN WHERE mapnghongban = '" + key_pb + "'";
        if (this.dataGridView.RowCount == 0)
        {
            if (this.textBox_manhanvien.Text != "" && this.main_form.Check_Key(sql_pb, key_pb))
            {
                string dd = this.dateTimePicker_ngaysinh.Value.Day.ToString();
                string MM = this.dateTimePicker_ngaysinh.Value.Month.ToString();
                string yyyy = this.dateTimePicker_ngaysinh.Value.Year.ToString();
                string query = "INSERT INTO NHANVIEN
(manhannvien, mapnghongban, tennhanvien, diachi, gioitinh, ngaysinh) VALUES('"
                + this.textBox_manhanvien.Text + ","
                + this.comboBox_maphongban.Text + ","
                + this.textBox_tennhanvien.Text + ","
                + this.textBox_diachi.Text + ","
                + this.textBox_gioitinh.Text + ","
                + yyyy + "/" + MM + "/" + dd + ")";
                this.main_form.Execute_Query(query);
            }
        }
    }
}

```

```

string sql = "SELECT * FROM NHANVIEN";
View_database(sql);
}
else
MessageBox.Show("Khóa rỗng hoặc trùng", "C# Programming", MessageBoxButtons.OK, MessageBoxIcon.Information);
}
else
if (this.textBox_manhanvien.Text != "" && !this.main_form.Check_Key(sql_nv, key_nv)
&& this.main_form.Check_Key(sql_pb, key_pb))
{
    string dd = this.dateTimePicker_ngaysinh.Value.Day.ToString();
    string MM = this.dateTimePicker_ngaysinh.Value.Month.ToString();
    string yyyy = this.dateTimePicker_ngaysinh.Value.Year.ToString();
    string query = "INSERT INTO NHANVIEN (manhanvien, maphongban, tennhanvien, diachi, gioitinh, ngaysinh)
VALUES ('"
    + this.textBox_manhanvien.Text + "','"
    + this.comboBox_maphongban.Text + "','"
    + this.textBox_tennhanvien.Text + "','"
    + this.textBox_diachi.Text + "','"
    + this.textBox_gioitinh.Text + "','" + yyyy + "/" + MM + "/" + dd + "')";
    this.main_form.ExecuteNonQuery(query);
    string sql = "SELECT * FROM NHANVIEN";
    View_database(sql);
}
else MessageBox.Show("Khóa rỗng hoặc trùng", "C# Programming", MessageBoxButtons.OK, MessageBoxIcon.Information);
}

private void button_update_Click(object sender, EventArgs e)
{
    if (this.main_form.addmin == 0)
        MessageBox.Show("Bạn không có chức năng này", "C# Programming", MessageBoxButtons.OK, MessageBoxIcon.Information);
    else
    {
        string key = this.textBox_manhanvien.Text;
        string sql = "SELECT manhanvien FROM NHANVIEN WHERE manhanvien = '" + key + "'";
        if (this.textBox_manhanvien.Text != "" && this.main_form.Check_Key(sql, key))
        {
            string dd = this.dateTimePicker_ngaysinh.Value.Day.ToString();

```

```
string MM = this.dateTimePicker_ngaysinh.Value.Month.ToString();
string yyyy = this.dateTimePicker_ngaysinh.Value.Year.ToString();
string query = "UPDATE NHANVIEN SET maphongban= "
+ this.comboBox_maphongban.Text
+ "' ,tenhanvien= '" + this.textBox_tennhanvien.Text
+ "' ,diachi = '" + this.textBox_diachi.Text
+ "' ,gioitinh = '" + this.textBox_gioitinh.Text
+ "' ,ngaysinh = '" + yyyy + "/" + MM + "/" + dd
+ "' WHERE manhanvien = '" + this.textBox_manhanvien.Text + "'";
this.main_form.Execute_Query(query);
sql = "SELECT * FROM NHANVIEN";
View_database(sql);
}
else MessageBox.Show("Khóa rỗng hoặc不合 lệ", "C# Programming",
MessageBoxButtons.OK, MessageBoxIcon.Information);
}
}
}
}
```