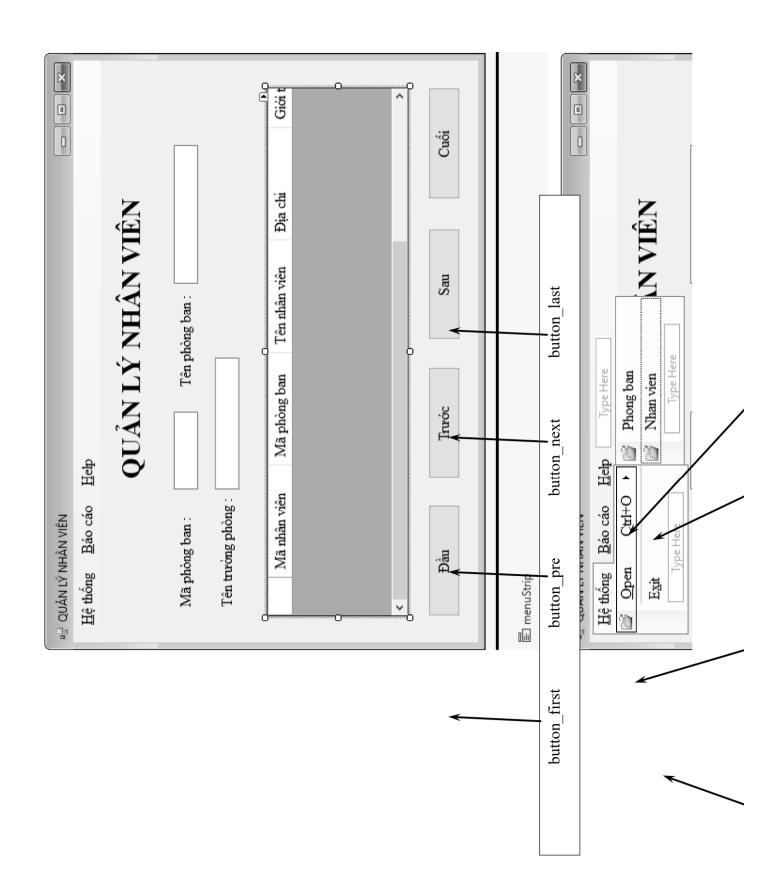
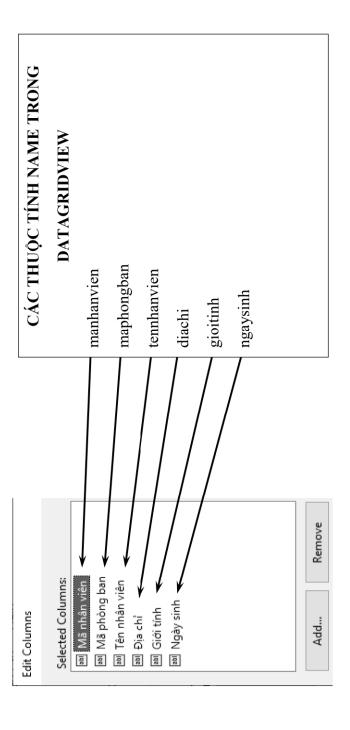
× button_cancel Cancel LOGIA button_ok ð Password: User:

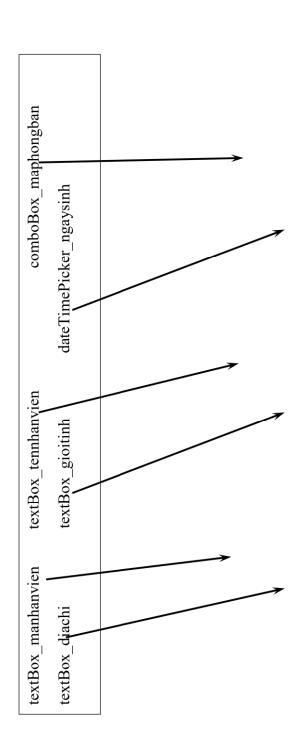


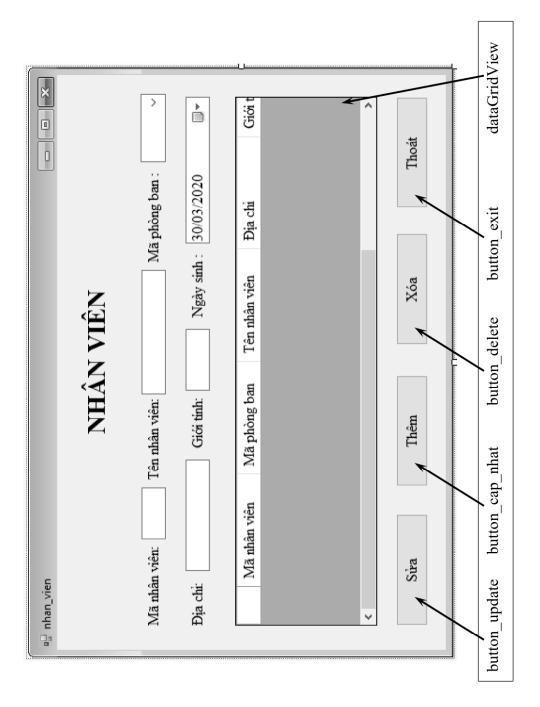
openToolStripMenuItem ExitToolStripMenuItem

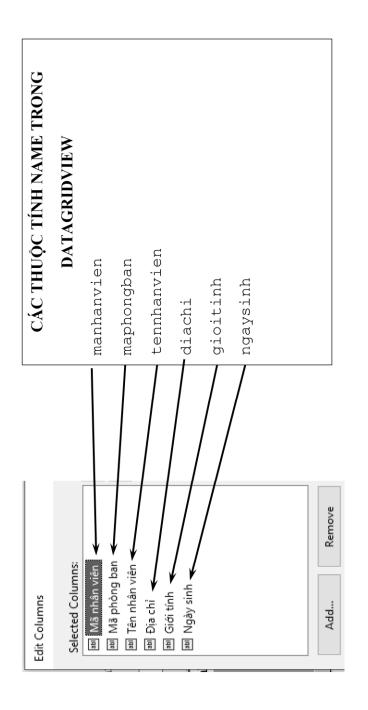
PhongBanToolStripMenuItem nhanVienToolStripMenuItem

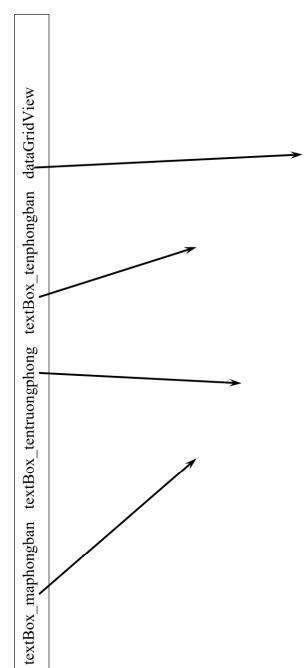


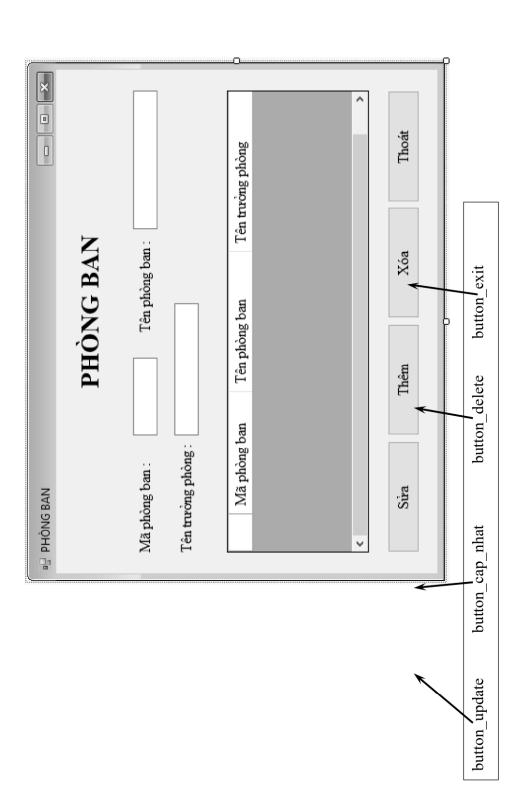
FORM NHÂN VIÊN





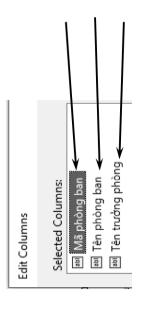




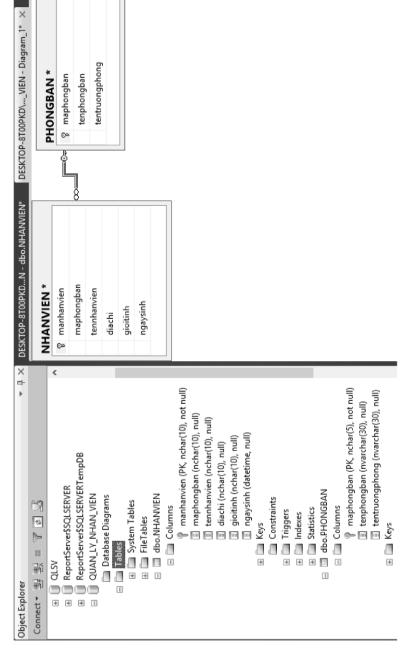


CÁC THUỘC TÍNH NAME TRONG DATAGRIDVIEW

maphongban tenphongban tentruongphong



THIẾT KỂ CSDL



PHƯƠNG THỨC CLICK CỦA FORM ĐĂNG NHẬP

private void button_ok_Click(object sender, EventArgs e){
 main_form main_form = new main_form(this);

```
this.textBox_password.Text == "gues")
                               this.textBox_password.Text == "duoc")
                                                                                                                                                                                                 if (this.textBox_user.Text.ToUpper() == "gues".ToUpper() &&
if (this.textBox_user.Text.ToUpper() == "admin".ToUpper() &&
                                                                                                                                                                                                                                                                                                                                                                  else this.button_cancel_Click(this, e);
                                                                                                                                                                                                                                                                                                    main_form.addmin = 0;
                                                                                                   main_form.addmin = 1;
                                                                                                                                                                                                                                                                                                                                                                                                      main_form.Show();
                                                                                                                                                                                                                                                                                                                                                                                                                                        this.Hide();
```

MÃ NGUÔN Ở MAIN_FORM

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

```
MessageBoxButtons.OK, MessageBoxIcon.Information); }
                                                                                                                                                                                                                                                                     if (data.Read() && (data.GetString(0).ToUpper() == key.ToUpper()))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              private void nhanVienToolStripMenuItem_Click(object sender, EventArgs e){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   private void phongBanToolStripMenuItem_Click(object sender, EventArgs e){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                private void main_form_FormClosed(object sender, FormClosedEventArgs e){
                                                                                                                                                                                                                                                                                                                                                                                                                      catch (Exception) { MessageBox.Show("Error !!!", "C# Programming",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            private void exitToolStripMenuItem_Click(object sender, EventArgs e){
                                                                                                                                                                                        SqlCommand command = new SqlCommand(sql, connect);
                                                                                                                                                                                                                                SqlDataReader data = command.ExecuteReader();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     phong_ban phong_ban = new phong_ban(this);
phong_ban.Show();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     nhan_vien nhan_vien = new nhan_vien(this);
                                  public bool Check_Key(string sql, string key){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    public main_form(Form1 Form1){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           InitializeComponent();
                                                                                                                                                                                                                                                                                                                                              connect.Close();
                                                                                                                                                      connect.Open();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                this.Form1 = Form1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    this.Form1.Close();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     this.Form1.Close();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            nhan_vien.Show();
                                                                         bool ok = false;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 this.Hide();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             this.Hide();
//Kiểm tra khoa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       return ok;
```

```
MessageBoxButtons.OK, MessageBoxIcon.Information); }
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MessageBoxButtons.OK, MessageBoxIcon.Information); }
                                                                                                                                                                                                                          datatable.Rows[index][2].ToString();
                                                                                                                                                                                                                                                                                                                     this.textBox_maphongban.Text + "')";
                                                                                                                                   this.textBox_tenphongban.Text = datatable.Rows[index][1].ToString();
this.textBox_tentruongphong.Text =
                                                                                       this.textBox_maphongban.Text = datatable.Rows[index][0].ToString();
                                                                                                                                                                                                                                                                      string sql = "SELECT * FROM NHANVIEN WHERE (maphongban = '" +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          catch (Exception) { MessageBox.Show("Error !!!","C# Programming",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       catch (Exception) { MessageBox.Show("Error !!!","C# Programming",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                connect.Close(); this.dataGridView.DataSource = data_table;
                                                                                                                                                                                                                                                                                                                                                                                                            SqlDataAdapter dataAdapter = new SqlDataAdapter(command);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SqlDataAdapter dataAdapter = new SqlDataAdapter(command);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  private void button_next_Click(object sender, EventArgs e){
                                                                                                                                                                                                                                                                                                                                                                 SqlCommand command = new SqlCommand(sql, connect);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SqlCommand command = new SqlCommand(sql, connect);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  if(datatable.Rows.Count > 0)View_database(index);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         private void main_form_Load(object sender, EventArgs e){
   string sq1 = "SELECT * FROM PHONGBAN";
                                                                                                                                                                                                                                                                                                                                                                                                                                                        DataTable data_table = new DataTable();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    if (index < datatable.Rows.Count - 1){</pre>
private void View_database(int index){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              dataAdapter.Fill(data_table);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   datatable = new DataTable();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              dataAdapter.Fill(datatable);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       connect.Close();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               connect.Open();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      index = 0;
```

```
MessageBoxButtons.OK, MessageBoxIcon.Error); }
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MessageBoxButtons.OK, MessageBoxIcon.Error); }
                                  } else MessageBox.Show("Đã quá bản ghi cuối","C# Programming",
                                                                                                                                                    catch (Exception) { MessageBox.Show("Error !!!","C# Programming",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                catch (Exception) { MessageBox.Show("Error !!!","C# Programming",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  else MessageBox.Show("Đã quá bản ghi đầu","C# Programming",
                                                                          MessageBoxButtons.OK, MessageBoxIcon.Information);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MessageBoxButtons.OK, MessageBoxIcon.Information);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 private void button_first_Click(object sender, EventArgs e){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    private void button_last_Click(object sender, EventArgs e){
                                                                                                                                                                                                                                                                                                                                              private void button_pre_Click(object sender, EventArgs e){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            index = datatable.Rows.Count - 1;
View database(index);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     View_database(index);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MÃ NGUỒN BẢNG PHÒNG BAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      public partial class phong_ban : Form{
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                private main_form main_form;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 View_database(index);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             View_database(index);
                                                                                                                                                                                                                                                                                                                                                                                                               if (index > 0){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        index = 0;
```

private void View_database(string sql){

string str;

```
Rows[this.dataGridView.CurrentRow.Index].Cells[1].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rows[this.dataGridView.CurrentRow.Index].Cells[2].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                           MessageBoxButtons.OK, MessageBoxIcon.Error); }
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Rows[this.dataGridView.CurrentRow.Index].Cells[0].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             private void phong_ban_FormClosed(object sender, FormClosedEventArgs e){
                                                                                                                                                                                                                                                                                                                                                             catch (Exception) { MessageBox.Show("Error !!!", "C# Programming",
                                           SqlCommand command = new SqlCommand(sql, main_form.connect);
SqlDataAdapter dataadapter = new SqlDataAdapter(command);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      str = this.textBox_maphongban.Text = this.dataGridView.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      this.textBox_tentruongphong.Text = this.dataGridView.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  private void button_exit_Click(object sender, EventArgs e){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  this.textBox_tenphongban.Text = this.dataGridView.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           private void phong_ban_Load(object sender, EventArgs e){
   string sq1 = "SELECT * FROM PHONGBAN";
                                                                                                                                                                                                                                                                      this.dataGridView.DataSource = datatable;
                                                                                                                                    DataTable datatable = new DataTable();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               if (this.dataGridView.RowCount > 0)
{
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               public phong_ban(main_form main_form){
                                                                                                                                                                             dataadapter.Fill(datatable);
                                                                                                                                                                                                                             main_form.connect.Close();
main_form.connect.Open();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   this.main_form = main_form;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    this.View_database(sql);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     InitializeComponent();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                main_form.Show();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         main_form.Show();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              this.Close();
```

```
string sql_pb = "SELECT maphongban FROM PHONGBAN WHERE maphongban = '"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              + key_pb + "'";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             && !this.main_form.Check_Key(sql_pb, key_pb))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MessageBox.Show("Ban không có chức năng này", "C# Programming",
MessageBoxButtons.OK, MessageBoxIcon.Information);
                                                                                                                                                                                                                                         Rows[this.dataGridView.CurrentRow.Index].Cells[1].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MessageBoxButtons.OK, MessageBoxIcon.Information);
                                                                                                                                       Rows[this.dataGridView.CurrentRow.Index].Cells[0].Value.ToString();
                                                                                                                                                                                                                                                                                                                                      Rows[this.dataGridView.CurrentRow.Index].Cells[2].Value.ToString();
                                           DataGridViewCellEventArgs e){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         string query = "INSERT INTO PHONGBAN (maphongban, tenphongban,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MessageBox.Show("Bạn không có chức năng này", "C# Programming",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            else MessageBox.Show("Khóa rỗng hoặc trùng", "C# Programming",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             private void button_cap_nhat_Click(object sender, EventArgs e){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      private void button_delete_Click(object sender, EventArgs e){
                                                                                            str = this.textBox_maphongban.Text = this.dataGridView.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MessageBoxButtons.OK, MessageBoxIcon.Information);
                                                                                                                                                                                                                                                                                     this.textBox_tentruongphong.Text = this.dataGridView.
                                                                                                                                                                                        this.textBox_tenphongban.Text = this.dataGridView.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       string key_pb = this.textBox_maphongban.Text;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    + this.textBox_tenphongban.Text + "','"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         + this.textBox_maphongban.Text + "','"
private void dataGridView_CellClick(object sender,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 string sql = "SELECT * FROM PHONGBAN";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        + this.textBox_tentruongphong.Text +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   this.main_form.Execute_Query(query)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  if (this.textBox_maphongban.Text != ""
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     tentruongphong) VALUES(""
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              if (this.main_form.addmin == 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          if (this.main_form.addmin == 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  View_database(sql);
```

```
catch (Exception) { MessageBox.Show("Error sss !!!", "C# Programming",
                                                                                                                                                                                                                                                                                                                                                        (maphongban='" + str + "')");
                                                                                                                                                                                                                         MessageBoxIcon.Question).ToString() == "OK")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Rows[this.dataGridView.CurrentRow.Index].Cells[0].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rows[this.dataGridView.CurrentRow.Index].Cells[2].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             + key + "'";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Rows[this.dataGridView.CurrentRow.Index].Cells[1].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      && this.main_form.Check_Key(sql, key))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         string key = this.textBox_maphongban.Text;
string sq1 = "SELECT maphongban FROM PHONGBAN WHERE maphongban = '"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      str = this.textBox_maphongban.Text = this.dataGridView.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MessageBoxButtons.OK, MessageBoxIcon.Error); }
                                                                                                                                                                                                                                                                                                             this.main_form.Execute_Query(@"DELETE FROM PHONGBAN WHERE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    this.textBox_tentruongphong.Text = this.dataGridView.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                if (this.main_form.addmin == 0)
    MessageBox.Show("Ban không có chức năng này", "C# Programming",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           this.textBox_tenphongban.Text = this.dataGridView.
                                                                                                                               if (MessageBox.Show("Ban chác chắn xóa bản ghi này ?",
                                                                                                                                                                             C# Programming", MessageBoxButtons.OKCancel,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      private void button_update_Click(object sender, EventArgs e)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MessageBoxButtons.OK, MessageBoxIcon.Information);
                                                                                                                                                                                                                                                                                                                                                                                              string sql = "SELECT * FROM PHONGBAN";
View_database(sql);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          if (this.dataGridView.RowCount > 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           if (this.textBox_maphongban.Text != ""
else {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       else
```

```
+ "',tentruongphong='" + this.textBox_tentruongphong.Text
+ "' WHERE (maphongban = '" + this.textBox_maphongban.Text + "')";
                                                                                                                                                                                                                                                                                                                                                                                          MessageBoxButtons.OK, MessageBoxIcon.Information);
                                                                                                                                                                                                                                                                                                                                                 else MessageBox.Show("Khóa rỗng hoặc không hợp lệ", "C# Programming",
string query = "UPDATE PHONGBAN SET tenphongban=""
                                                                                                                                                                            this.main_form.Execute_Query(query);
sql = "SELECT * FROM PHONGBAN";
                                            + this.textBox_tenphongban.Text
                                                                                                                                                                                                                                                                  View_database(sql);
```

MÃ NGUỒN BẢNG NHÂN VIÊN

```
SqlCommand command = new SqlCommand(sql, main_form.connect);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SqlDataAdapter dataadapter = new SqlDataAdapter(command);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     this.dataGridView.DataSource = datatable;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DataTable datatable = new DataTable();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   private void View_database(string sql){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     dataadapter.Fill(datatable);
                                                                                                                                                                                                                                                                                                                                       public partial class nhan_vien : Form{
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       main_form.connect.Close();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             main_form.connect.Open();
                                                                                                                                                                                                                                                                                                                                                                         private main_form main_form;
                            using System.Collections.Generic;
                                                             using System.ComponentModel;
                                                                                                                                                                                                                                               using System.Data.SqlClient;
                                                                                                                                                                                                                                                                                                             namespace quan_ly_nhan_vien{
                                                                                                                                                                                                                   using System.Windows.Forms;
                                                                                                                       using System.Drawing;
                                                                                                                                                                                                                                                                                                                                                                                                         string str;
                                                                                                                                                     using System.Ling;
                                                                                         using System.Data;
                                                                                                                                                                                   using System.Text;
                                                                                                                                                                                                                                                                                                                                                                                                                                         -----//
using System;
```

```
catch (Exception) { MessageBox.Show("Error !!!", "C# Programming", MessageBoxButtons.OK, MessageBoxIcon.Information);
catch (Exception) { MessageBox.Show("Error !!!", "C# Programming", MessageBoxButtons.OK, MessageBoxIcon.Error); }
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        while (data.Read()) { Combobox.Items.Add(data.GetString(0));i++; }
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   private void nhan_vien_FormClosed(object sender, FormClosedEventArgs e){
                                                                                                                                                                                                                                                                                                                                                                           SqlCommand command = new SqlCommand(sql, main_form.connect);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    str = this.textBox_manhanvien.Text = this.dataGridView.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     private void button_exit_Click(object sender, EventArgs e){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      private void nhan_vien_Load(object sender, EventArgs e){
   string sq1 = "SeLECT * FROM NHANVIEN";
                                                                                                                                                                                                                                                                                               string sql = "SELECT maphongban FROM PHONGBAN";
                                                                                                                                                                                                                                                                                                                                                                                                                            SqlDataReader data = command.ExecuteReader();
                                                                                                                          public void Combobox_Data(ComboBox Combobox)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   if (this.dataGridView.RowCount > 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            public nhan_vien(main_form main_form){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   main_form.connect.Close();
                                                                                                                                                                                                                                                                                                                                          main_form.connect.Open();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           this.main_form = main_form;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       this.View_database(sql);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                InitializeComponent();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            main_form.Show();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              main_form.Show();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    int i = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         this.Close();
                                                                                                                                                                                                                try
{
```

```
this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[1].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[2].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[3].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[4].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rows[this.dataGridView.CurrentRow.Index].Cells[5].Value.ToString().Substring(0, 4));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Rows[this.dataGridView.CurrentRow.Index].Cells[5].Value.ToString().Substring(8, 2));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rows[this.dataGridView.CurrentRow.Index].Cells[5].Value.ToString().Substring(5, 2));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       string ngay = this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[5].Value.ToString();
Rows[this.dataGridView.CurrentRow.Index].Cells[0].Value.ToString();
                                                                                                               Rows[this.dataGridView.CurrentRow.Index].Cells[1].Value.ToString();
                                                                                                                                                                                                                                  Rows[this.dataGridView.CurrentRow.Index].Cells[2].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                     Rows[this.dataGridView.CurrentRow.Index].Cells[3].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Rows[this.dataGridView.CurrentRow.Index].Cells[4].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       str = this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[0].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                private void dataGridView_CellClick(object sender, DataGridViewCellEventArgs e){
                                                    this.comboBox_maphongban.Text = this.dataGridView.
                                                                                                                                                                          this.textBox_tennhanvien.Text = this.dataGridView.
                                                                                                                                                                                                                                                                                                                                                                                                            this.textBox_gioitinh.Text = this.dataGridView.
                                                                                                                                                                                                                                                                                         this.textBox_diachi.Text = this.dataGridView.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       if (this.dataGridView.CurrentRow.Index != -1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Combobox_Data(this.comboBox_maphongban);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        int yyyy = int.Parse(this.dataGridView.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           int mm = int.Parse(this.dataGridView.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              int dd = int.Parse(this.dataGridView.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  this.textBox_manhanvien.Text = str;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             this.textBox_tennhanvien.Text =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          this.comboBox_maphongban.Text =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           this.textBox gioitinh.Text =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            this.textBox_diachi.Text =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  int yyyy=0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         int k = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          int mm=0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           int dd=0;
```

```
if (MessageBox.Show("Ban chác chắn xóa bản ghi này ?",
"C# Programming", MessageBoxButtons.OKCancel, MessageBoxIcon.Question).ToString() == "OK")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "C# Programming", MessageBoxButtons.OK, MessageBoxIcon.Information);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           if (this.main_form.addmin == 0) MessageBox.Show("Bạn không có chức năng này",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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)
                                                                                                                                                                                                                                                                                                                                                      mm = int.Parse(ngay.Substring(k, i - k));
k = i + 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          private void button_delete_Click(object sender, EventArgs e)
{
                                                                                                                                           yyyy = int.Parse(ngay.Substring(0, 4));
k = i + 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           combobox_maphongban.Items.Clear();
Combobox_Data(this.comboBox_maphongban);
for (int i = 0; i < ngay.Length; i++)
                                                                                                                                                                                                                                                                                 if (ngay[i] == '/' && k > 0)
                                      if (ngay[i] == '/' && k == 0)
{
```

```
catch (Exception) { MessageBox.Show("Error !!!", "C# Programming", MessageBoxButtons.OK, MessageBoxIcon.Error);
                                                                                                                                                                                                                                                                                                                                                                                                                                               this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[1].Value.ToString();
                                                                                                                                                                                                                                                                                                                                  this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[0].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[2].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[3].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           this.dataGridView.Rows[this.dataGridView.CurrentRow.Index].Cells[4].Value.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WessageBox.Show("Bạn không có chức năng này", "C# Programming", MessageBoxButtons.OK, MessageBoxIcon.Information);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Rows[this.dataGridView.CurrentRow.Index].Cells[5].Value.ToString().Substring(0, 2));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Rows[this.dataGridView.CurrentRow.Index].Cells[5].Value.ToString().Substring(6, 4));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rows[this.dataGridView.CurrentRow.Index].Cells[5].Value.ToString().Substring(3, 2));
this.main_form.Execute_Query(@"DELETE FROM NHANVIEN WHERE (manhanvien="" + str + "')");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sql_nv = "SELECT manhanvien FROM NHANVIEN WHERE manhanvien = '" + key_nv + "'";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   this.dateTimePicker_ngaysinh.Value = new DateTime(yyyy, mm, dd);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              private void button_them_moi_Click(object sender, EventArgs e)
{
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        int yyyy = int.Parse(this.dataGridView.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    int dd = int.Parse(this.dataGridView.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 int mm = int.Parse(this.dataGridView.
                                                                                                                                                                                                                                                                             str = this.textBox_manhanvien.Text =
                                                     string sql = "SELECT * FROM NHANVIEN";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       key_pb = this.comboBox_maphongban.Text;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         string key_nv = this.textBox_manhanvien.Text;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     this.textBox_tennhanvien.Text =
                                                                                                                                                                  if (this.dataGridView.RowCount > 0)
                                                                                                                                                                                                                                                                                                                                                                                          this.comboBox_maphongban.Text
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             this.textBox_gioitinh.Text =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               this.textBox_diachi.Text =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    if (this.main_form.addmin == 0)
                                                                                                                View database(sql);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 string
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          string
```

```
MessageBox.Show("Khóa rỗng hoặc trùng", "C# Programming", MessageBoxButtons.OK, MessageBoxIcon.Information);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               string query = "INSERT INTO NHANVIEN (manhanvien, maphongban, tennhanvien, diachi, gioitinh, ngaysinh)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    + this.textBox_diachi.Text + "','"
+ this.textBox_gioitinh.Text + "','" + yyyy + "/" + MM + "/" + dd + "')";
this.main_form.Execute_Query(query);
string sql = "SELECT * FROM NHANVIEN";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             && this.main_form.Check_Key(sql_pb, key_pb))
                                                                                                        if (this.textBox_manhanvien.Text != "" && this.main_form.Check_Key(sql_pb, key_pb))
{
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        if (this.textBox_manhanvien.Text != "" && !this.main_form.Check_Key(sql_nv, key_nv)
string sql_pb = "SELECT maphongban FROM PHONGBAN WHERE maphongban = '" + key_pb + "'";
                                                                                                                                                                                                                                                                                                                                                                                                                                                (manhanvien, maphongban, tennhanvien, diachi, gioitinh, ngaysinh) VALUES('"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    + tnis.combobox_maphongpan.lext + '',
+ this.textBox_tennhanvien.Text + "','"
+ this.textBox_diachi.Text + "','"
+ this.textBox_gioitinh.Text + "','" + yyyy + "/" + MM + "/" + dd + "')";
                                                                                                                                                                                                                                                                                                                                             string yyyy = this.dateTimePicker_ngaysinh.Value.Year.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  string yyyy = this.dateTimePicker_ngaysinh.Value.Year.ToString();
                                                                                                                                                                                                                                                                                              string MM = this.dateTimePicker_ngaysinh.Value.Month.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             string dd = this.dateTimePicker_ngaysinh.Value.Day.ToString();
string MM = this.dateTimePicker_ngaysinh.Value.Month.ToString();
                                                                                                                                                                                                                                                 string dd = this.dateTimePicker_ngaysinh.Value.Day.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        + this.comboBox_maphongban.Text + "','"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 + this.textBox_manhanvien.Text + "','"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          + this.textBox_tennhanvien.Text + "'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         + this.comboBox_maphongban.Text + "','"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 this.main_form.Execute_Query(query);
string sql = "SELECT * FROM NHANVIEN";
                                                                                                                                                                                                                                                                                                                                                                                       string query = "INSERT INTO NHANVIEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               + this.textBox_manhanvien.Text + "',
                                                  if (this.dataGridView.RowCount == 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        VALUES('"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   View_database(sql);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  View_database(sql);
```

```
else MessageBox.Show("Khóa rỗng hoặc trùng", "C# Programming", MessageBoxButtons.OK, MessageBoxIcon.Information);
                                                                                                                                                                                                                                                                                                                                                                   MessageBox.Show("Bạn không có chức năng này", "C# Programming", MessageBoxButtons.OK, MessageBoxIcon.Information);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         string key = this.textBox_manhanvien.Text;
string sql = "SELECT manhanvien FROM NHANVIEN WHERE manhanvien = "" + key + "";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            else MessageBox.Show("Khóa rỗng hoặc không hợp lệ", "C# Programming",
MessageBoxButtons.OK, MessageBoxIcon.Information);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             if (this.textBox_manhanvien.Text != "" && this.main_form.Check_Key(sql, key))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     + "',gioitinh ='" + this.textBox_gioitinh.Text
+ "',ngaysinh ='" + yyyy + "/" + MM + "/" + dd
+ "' WHERE (manhanvien = '" + this.textBox_manhanvien.Text + "')";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     string yyyy = this.dateTimePicker_ngaysinh.Value.Year.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 string dd = this.dateTimePicker_ngaysinh.Value.Day.ToString();
string MM = this.dateTimePicker_ngaysinh.Value.Month.ToString();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       + "',tennhanvien='" + this.textBox_tennhanvien.Text
+ "',diachi ='" + this.textBox_diachi.Text
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       string query = "UPDATE NHANVIEN SET maphongban='"
                                                                                                                                                                        private void button_update_Click(object sender, EventArgs e)
{
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    this.main_form.Execute_Query(query);
sql = "SELECT * FROM NHANVIEN";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            + this.comboBox_maphongban.Text
                                                                                                                                                                                                                                                                                                                 if (this.main_form.addmin == 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 View_database(sql);
```