```csharp
string chuoinhap=null;
        string chuoitim = null;
        string cu=null, moi=null;
        private void bt_timchu_Click(object sender, EventArgs e)
        {
            chuoinhap = txt_doanvan.Text;
            chuoitim = txt_timchu.Text;
            int vitri = chuoinhap.IndexOf(chuoitim) + 1;
            txt_vitri.Text = vitri.ToString();
        }

        private void bt_thaythe_Click(object sender, EventArgs e)
        {
            cu = txt_moi.Text;
            moi = txt_cu.Text;
            chuoinhap = txt_doanvan.Text;
            txt_ketqua.Text = chuoinhap.Replace(txt_cu.Text,
txt_moi.Text);
        }

        private void bt_hoa_Click(object sender, EventArgs e)
        {

            if (cu == null || moi == null)
            {
                chuoinhap = txt_doanvan.Text;
                txt_ketqua.Text = chuoinhap.ToUpper();
            }
            else
            {
                chuoinhap = txt_ketqua.Text;
                txt_ketqua.Text = chuoinhap.ToUpper();
            }
        }

        private void bt_thuong_Click(object sender, EventArgs e)
        {
            if (cu == null || moi == null)
            {
                chuoinhap = txt_doanvan.Text;
                txt_ketqua.Text = chuoinhap.ToLower();
            }
            else
            {
                chuoinhap = txt_ketqua.Text;
                txt_ketqua.Text = chuoinhap.ToLower();
            }
        }
```
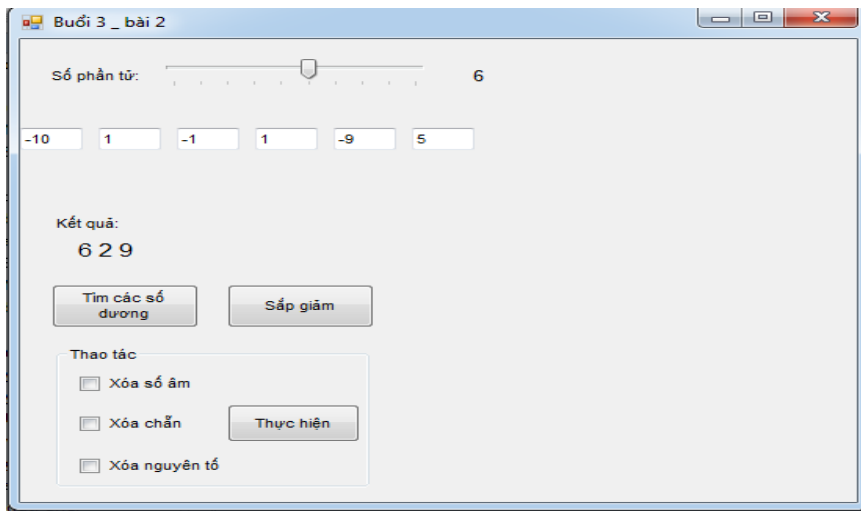
```csharp
int n;
        int[] a = new int[100];
        TextBox[] txt;
        private void trackBar1_Scroll(object sender, EventArgs e)
        {
            trackBar1.Minimum = 1;
            trackBar1.Maximum = 10;
            txt_phantu.Text = trackBar1.Value.ToString() ;
            for (int j = 0; j < n; j++)
            {
                this.Controls.Remove(txt[j]);
            }
            n = int.Parse(txt_phantu.Text);
            Random r = new Random();
            txt = new TextBox[n];

                for (int i = 0; i < n; i++)
                {
                    txt[i] = new TextBox();
                    txt[i].Name = "txt_" + i.ToString();
                    txt[i].Text = (r.Next(-10, 10)).ToString();
                    txt[i].Location = new System.Drawing.Point(i * 50,
80);
                    txt[i].Size = new System.Drawing.Size(40, 20);
                    this.Controls.Add(txt[i]);
                    a[i] = int.Parse(txt[i].Text);

                }
        }

        private void bt_soduong_Click(object sender, EventArgs e)
        {
            string chuoi=null;
            for (int i = 0; i <n; i++)
            {
                if (a[i] > 0)
                {
                    chuoi += a[i];
                    chuoi += " ";
                }
            }
            lb_ketqua.Text = chuoi;
        }

        private void bt_sapgiam_Click(object sender, EventArgs e)
        {
            string chuoi = null;
            for(int i=0;i<n-1;i++)
                for (int j = i; j < n; j++)
                {
                    if (a[i] < a[j])
                    {
```

```csharp
                    int temp = a[i];
                    a[i] = a[j];
                    a[j] = temp;
                }
            }
        for (int k = 0; k < n; k++)
        {
            chuoi += a[k];
            chuoi += " ";
        }
        lb_ketqua.Text = chuoi;
    }
    private void xoataivitri(int k,int[] b,int n)
    {
        for(int i=k;i<n-1;i++)
        {
            b[k] = b[k + 1];
        }
        n--;

    }
    private bool LaSNT(int k)
    {
        if (k < 2)
            return false;
        for (int i = 2; i < k; i++)
            if (k % i == 0)
                return false;
        return true;
    }
    private void bt_thuchien_Click(object sender, EventArgs e)
    {
        int demam = 0;
        int demchan = 0;
        int demnt = 0;
        int dem12,dem13,dem23,dem123;
        string chuoi = null;
        int[] b = new int[100];

        if (cb_am.Checked == true && cb_chan.Checked ==
        false&&cb_nt.Checked == false)
            {
                demam = 0;
                //n = trackBar1.Value;
                chuoi = null;
                for (int t = 0; t < n; t++)
                {
                    b[t] = a[t];
                }
                for (int i = 0; i < n; i++)
                {
                    if (b[i] < 0)
                    {
                        xoataivitri(i, b, n);
                        demam++;
                    }
                }
                for (int j = 0; j < n; j++)
                {
                    chuoi += b[j];
                    chuoi += " ";
                }
                lb_ketqua.Text = chuoi;
    }
```

```csharp
int rua, tho;
        private void timer1_Tick(object sender, EventArgs e)
        {
            trackBar1.Minimum = 1;
            trackBar1.Maximum = 500;
            pic_rua.Image = Image.FromFile("rua.png");
            pic_rua.SizeMode = PictureBoxSizeMode.StretchImage;
            pic_rua.Left += 10;

        }

        private void timer2_Tick(object sender, EventArgs e)
        {
            trackBar2.Minimum = 1;
            trackBar2.Maximum = 500;
            pic_tho.Image = Image.FromFile("tho.png");
            pic_tho.SizeMode = PictureBoxSizeMode.StretchImage;
            pic_tho.Left += 10;


        }

        private void bt_chay_Click(object sender, EventArgs e)
        {
            timer1.Interval = rua;
            timer2.Interval = tho;
            timer1.Enabled = true;
            timer2.Enabled = true;

        }

        private void button1_Click(object sender, EventArgs e)
        {
            timer1.Enabled = false;
            timer2.Enabled = false;
        }

        private void trackBar1_Scroll(object sender, EventArgs e)
        {
            label4.Text = trackBar1.Value.ToString();
            rua = 500-int.Parse(label4.Text)+150;
        }

        private void trackBar2_Scroll(object sender, EventArgs e)
        {
            label5.Text = trackBar2.Value.ToString();
            tho = 500-int.Parse(label5.Text)+150;
        }

        private void button2_Click(object sender, EventArgs e)
        {
            Application.Restart();
        }
```
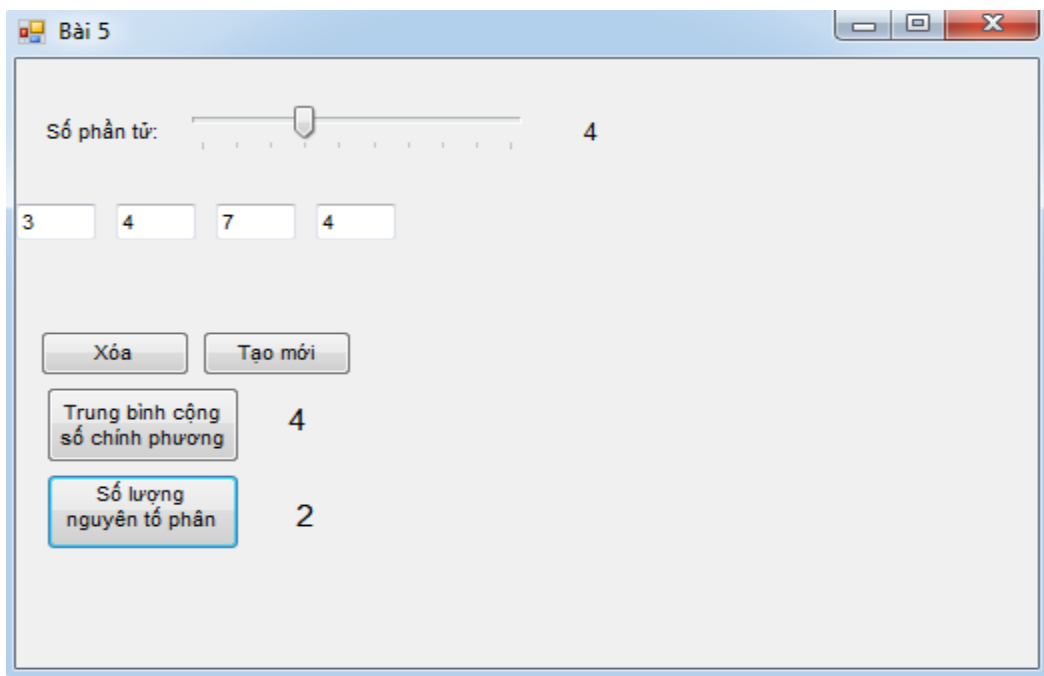
```csharp
int n;
    int[] a = new int[100];
    TextBox[] txt;
    private void trackBar1_Scroll(object sender, EventArgs e)
    {
        n = trackBar1.Value;
        txt_phantu.Text = trackBar1.Value.ToString();
        trackBar1.Minimum = 1;
        trackBar1.Maximum = 10;

    }
    private bool LaSCP(int k)
    {
        if (k == 1)
            return false;
        double k1 = System.Math.Sqrt(k);
        return k1%1==0;
    }

    private void bt_tbcp_Click(object sender, EventArgs e)
    {
        n = trackBar1.Value;
        float dem = 0;
        float s = 0;
        for (int i = 0; i < n; i++)
        {
            if (LaSCP(a[i]))
            {
                dem++;
                s = s + a[i];
            }
        }
        if (dem == 0)
            lb_tbscp.Text = "Không có số chính phương!";
        else
            lb_tbscp.Text = (s / dem).ToString(); ;
    }


    private void bt_xoa_Click_1(object sender, EventArgs e)
    {
        for (int i = 0; i < n; i++)
        {

            this.Controls.Remove(txt[i]);
        }
    }
```

```csharp
private void bt_taomoi_Click(object sender, EventArgs e)
{
    n = trackBar1.Value;
    Random r = new Random();
    txt = new TextBox[n];
    for (int i = 0; i < n; i++)
    {
        txt[i] = new TextBox();
        txt[i].Name = "txt_" + i.ToString();
        txt[i].Text = (r.Next(1, 10)).ToString();
        txt[i].Location = new System.Drawing.Point(i * 50, 80);
        txt[i].Size = new System.Drawing.Size(40, 20);
        this.Controls.Add(txt[i]);
        a[i] = int.Parse(txt[i].Text);

    }
}
private bool LaSNT(int k)
{
    if (k < 2)
        return false;
    for (int i = 2; i < k; i++)
        if (k % i == 0)
            return false;
    return true;
}
int[] b = new int[100];
private void bt_ntpb_Click(object sender, EventArgs e)
{
    n=trackBar1.Value;

    int dem = 0;
    int dem1 = 0;
    for (int i = 0; i < n; i++)
    {
        if (LaSNT(a[i]) == true)
            dem++;
    }
    for (int i = 0; i < n - 1; i++)
    {
        for (int j = i + 1; j < n; j++)
        {
            if (LaSNT(a[i]) && LaSNT(a[j]) &&a[i]==a[j])
                dem1++;
        }
    }
    int dem2 = dem - dem1;
    lb_ntpb.Text = dem2.ToString();

}
```
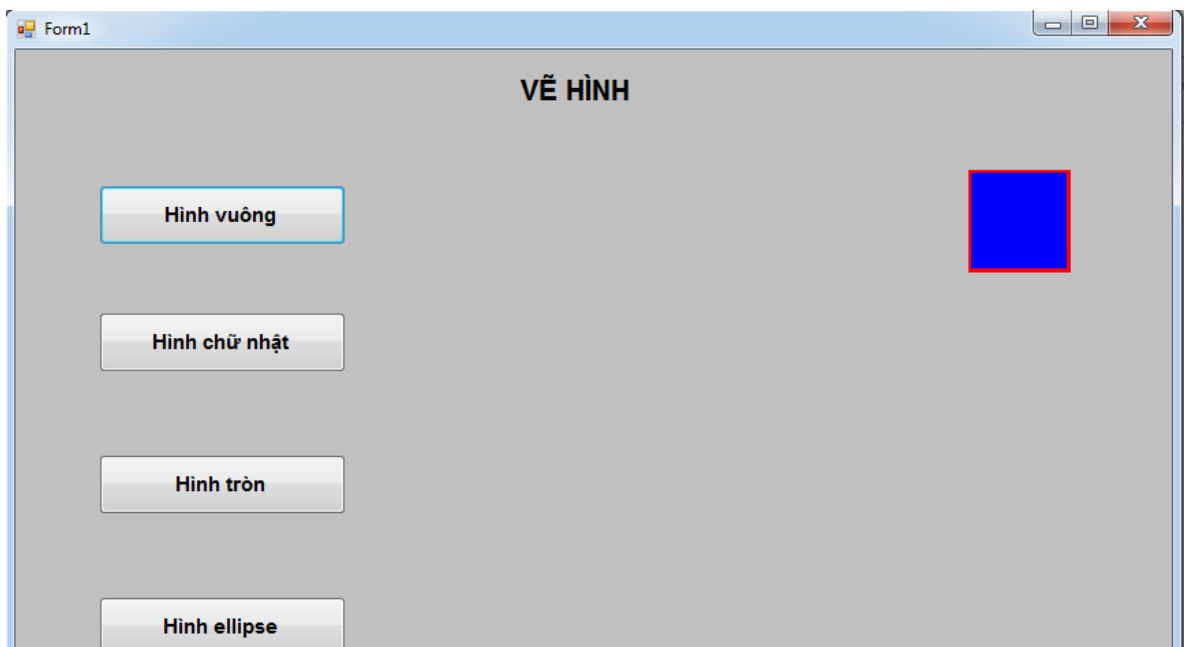
```csharp
Graphics g;
        private void anhinhvuong(Graphics g)
        {

            int x = 700;
            int y = 0;
            int w = 70;
            int h = 70;
            Rectangle hinh = new Rectangle(x, y, w, h);
            SolidBrush cotomau = new SolidBrush(Color.Silver); //tô màu
nền
            Pen covevien = new Pen(Color.Silver, 5); //tô màu viền
            g.DrawRectangle(covevien, x, y, w, h);
            g.FillRectangle(cotomau, hinh);

        }
        private void button1_Click(object sender, EventArgs e)
        {

            g = CreateGraphics();
            anhinhchunhat(g);
            anhinhellipse(g);
            anhinhtron(g);
            vehinhvuong(g);
        }
        private void vehinhvuong(Graphics g)
        {
            int x = 700;
            int y = 90;
            int w = 70;
            int h = 70;
            Rectangle hinh = new Rectangle(x, y, w, h);
            SolidBrush cotomau = new SolidBrush(Color.Blue); //tô màu nền
            Pen covevien = new Pen(Color.Red, 5); //tô màu viền
            g.DrawRectangle(covevien, x, y, w, h);
            g.FillRectangle(cotomau, hinh);
        }
```
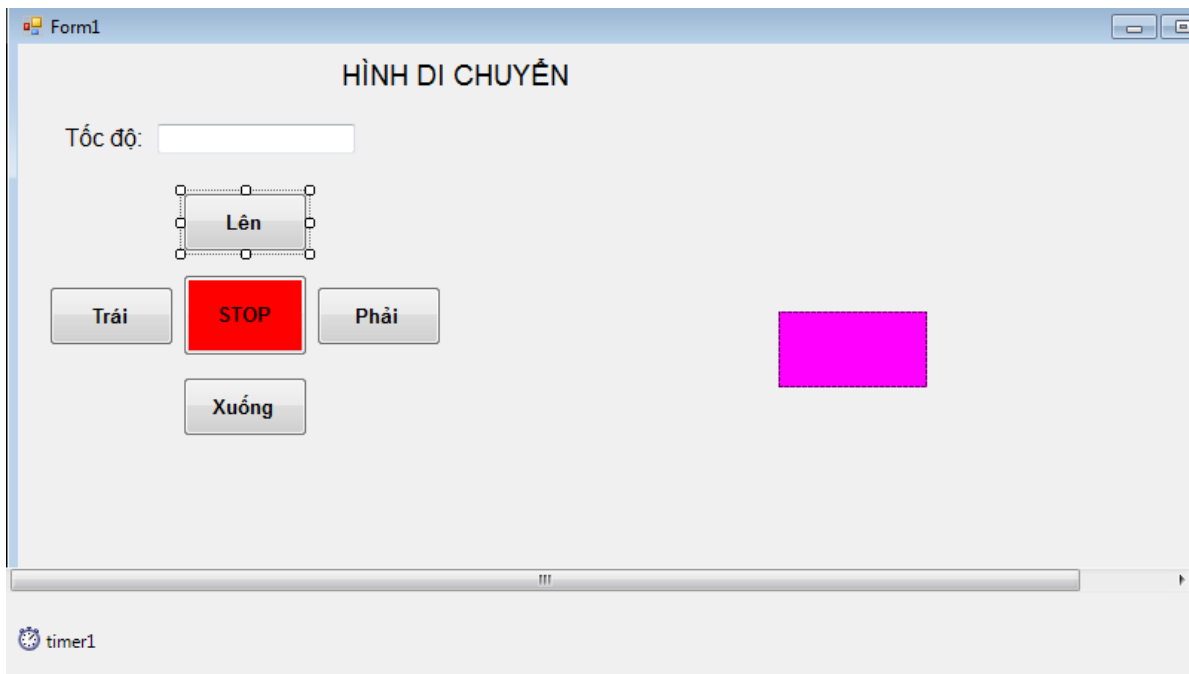
```csharp
bool len = false, xuong = false, trai = false, phai = false;
        private void timer1_Tick(object sender, EventArgs e)
        {
            int tocdo=int.Parse(txt_tocdo.Text);
            timer1.Interval = tocdo;
            if (len == true)
            {
                int xx = pic.Location.X;
                int yy = pic.Location.Y;
                yy--;
                pic.Location = new Point(xx, yy);
            }
            if (xuong == true)
            {
                int xx = pic.Location.X;
                int yy = pic.Location.Y;
                yy++;
                pic.Location = new Point(xx, yy);
            }
            if (trai == true)
            {
                int xx = pic.Location.X;
                int yy = pic.Location.Y;
                xx--;
                pic.Location = new Point(xx, yy);
            }
            if (phai == true)
            {
                int xx = pic.Location.X;
                int yy = pic.Location.Y;
                xx++;
                pic.Location = new Point(xx, yy);
            }
        }

        private void bt_len_Click(object sender, EventArgs e)
        {
            xuong = false;
            trai = false;
            phai = false;
            len = true;
            timer1.Enabled = true;
        }

        private void bt_xuong_Click(object sender, EventArgs e)
        {
            xuong = true;
```

```csharp
            trai = false;
            phai = false;
            len = false;
            timer1.Enabled = true;
        }

        private void bt_trai_Click(object sender, EventArgs e)
        {
            xuong = false;
            trai = true;
            phai = false;
            len = false;
            timer1.Enabled = true;
        }

        private void bt_phai_Click(object sender, EventArgs e)
        {
            xuong = false;
            trai = false;
            phai = true;
            len = false;
            timer1.Enabled = true;
        }

        private void button1_Click(object sender, EventArgs e)
        {
            timer1.Enabled = false;
        }
```

```csharp
int[] a = new int[7];
        private void bt_phim_Click(object sender, EventArgs e)
        {
            a[0] = int.Parse(tx1.Text);
            a[1] = int.Parse(tx2.Text);
            a[2] = int.Parse(tx3.Text);
            a[3] = int.Parse(tx4.Text);
            a[4] = int.Parse(tx5.Text);
            a[5] = int.Parse(tx6.Text);
            a[6] = int.Parse(tx7.Text);
        }

        private void button1_Click(object sender, EventArgs e)
        {
            Random r = new Random();
            tx1.Text = r.Next(1, 99).ToString();
            tx2.Text = r.Next(1, 99).ToString();
            tx3.Text = r.Next(1, 99).ToString();
            tx4.Text = r.Next(1, 99).ToString();
            tx5.Text = r.Next(1, 99).ToString();
            tx6.Text = r.Next(1, 99).ToString();
            tx7.Text = r.Next(1, 99).ToString();
            a[0] = int.Parse(tx1.Text);
            a[1] = int.Parse(tx2.Text);
            a[2] = int.Parse(tx3.Text);
            a[3] = int.Parse(tx4.Text);
            a[4] = int.Parse(tx5.Text);
            a[5] = int.Parse(tx6.Text);
            a[6] = int.Parse(tx7.Text);
        }

        private void button2_Click(object sender, EventArgs e)
        {
            for (int i = 0; i < 6; i++)
            {
                for (int j = i+1; j < 7; j++)
                {
                    if (a[i] > a[j])
                    {
                        int temp;
                        temp = a[i];
                        a[i] = a[j];
                        a[j] = temp;
                    }
                }
            }
            tx1.Text = a[0].ToString();
            tx2.Text = a[1].ToString();
            tx3.Text = a[2].ToString();
            tx4.Text = a[3].ToString();
            tx5.Text = a[4].ToString();
            tx6.Text = a[5].ToString();
            tx7.Text = a[6].ToString();
        }
```

```csharp
private void button3_Click(object sender, EventArgs e)
{
    int max=a[0];
    for (int i = 1; i < 7; i++)
    {
        if(a[i]>max)
            max=a[i];
    }
    lb_max.Text = max.ToString();
}

private bool LaSNT(int k)
{
    if (k < 2)
        return false;
    for (int i = 2; i < k; i++)
        if (k % i == 0)
            return false;
    return true;
}
private int SNTdau(int[] a)
{
    for (int i = 0; i < 7; i++)
        if (LaSNT(a[i]))
            return a[i];
    return -1;
}

private void button4_Click(object sender, EventArgs e)
{
    int min = SNTdau(a);
    if(min==-1)
        lb_min.Text="Không có số nguyên tố !";
    else
    {
        for (int i = 0; i < 7; i++)
            if (a[i] < min && LaSNT(a[i]))
                min = a[i];
        lb_min.Text = min.ToString();
    }
}
private int tansuat(int k)
{
    int dem = 0;
    for (int i = 0; i < 7; i++)
        if (a[i] == k)
            dem++;
    return dem;
}

private void button5_Click(object sender, EventArgs e)
{
    int count=1;
    int temp = 0;
    for (int i = 0; i < 7; i++)
    {
        if (count < tansuat(a[i]))
        {
            count = tansuat(a[i]);
            temp = a[i];
        }
    }
    if (count == 1)
        lb_count.Text = "Mỗi số xuất hiện 1 lần !";
    else
        lb_count.Text = temp.ToString();
}
```

```
int n;
        int[] a = new int[100];
        private void bt_random_Click(object sender, EventArgs e)
        {
            n = int.Parse(txt_phantu.Text);
            Random r = new Random();
            TextBox[] txt = new TextBox[n];
            for (int i = 0; i < n; i++)
            {
                txt[i] = new TextBox();
                txt[i].Name = "txt_" + i.ToString();
                txt[i].Text = (r.Next(-99, 99)).ToString();
                txt[i].Location = new System.Drawing.Point(i * 50, 60);
                txt[i].Size = new System.Drawing.Size(40, 20);
                this.Controls.Add(txt[i]);
                a[i] = int.Parse(txt[i].Text);
            }

        }
        private bool LaSHT(int k)
        {
            int tam=0;
            for (int i = 1; i < k; i++)
                if (k % i == 0)
                    tam+=i;
            return tam==k;
        }
        private int SHTdau(int[] a,int n)
        {
            for (int i = 0; i < n; i++)
                if (LaSHT(a[i]))
                    return a[i];
            return -1;
        }


        private bool LaSNT(int k)
        {
            if (k < 2)
                return false;
            for (int i = 2; i < k; i++)
```

```csharp
            if (k % i == 0)
                return false;
        return true;
    }
    private int xmax(int[] a,int n)
    {
        int max = a[0];
        for (int i = 1; i < n; i++)
        {
            if (max < a[i])
                max = a[i];
        }
        return max;
    }

    private void button1_Click_1(object sender, EventArgs e)
    {
        int max = SHTdau(a, n);
        if (max == -1||max==0)
            lb_max.Text = "Không có số hoàn thiện !";
        else
        {
            for (int i = 0; i < n; i++)
                if (a[i] > max && LaSHT(a[i]))
                    max = a[i];
            lb_max.Text = max.ToString();
        }
    }

    private void button2_Click(object sender, EventArgs e)
    {
        int max = xmax(a,n);
        int temp = 0;
        int tam = max - a[0];
        for (int i = 0; i < n; i++)
        {
            temp = max - a[i];
            if ((temp < tam)&&LaSNT(a[i]))
            {
                tam = max - a[i];
                max = a[i];
            }
        }
        if (max == xmax(a, n))
            lb_ganmax.Text = "Không có số nguyên tố !";
        else
            lb_ganmax.Text = max.ToString();
    }

    private void button3_Click(object sender, EventArgs e)
    {

        int max = System.Math.Abs(a[0]);
        int temp=a[0];
        for (int i = 0; i < n; i++)
        {
            if (System.Math.Abs(a[i]) > max)
            {
                max = System.Math.Abs(a[i]);
                temp=a[i];
            }
        }
        lb_tuyetdoimax.Text = temp.ToString();
    }
```
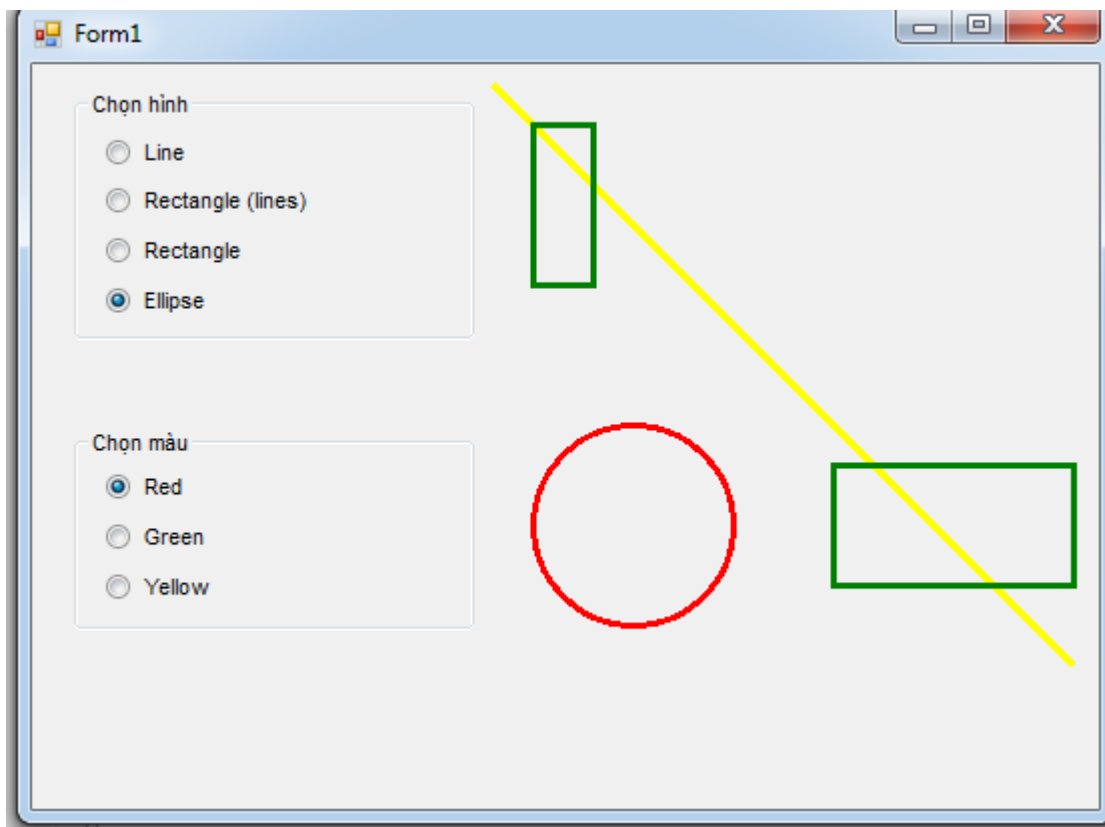
```csharp
Graphics g;
        private void ellipse(Graphics g)
        {
            int x = 250;
            int y = 180;
            int w = 100;
            int h = 100;
            Rectangle hinh = new Rectangle(x, y, w, h);
            //SolidBrush cotomau = new SolidBrush(Color.Blue); //tô màu
nền
            if (rb_green.Checked == true)
            {
                Pen covevien = new Pen(Color.Green, 3);
                g.DrawEllipse(covevien, x, y, w, h);
            }
            if (rb_red.Checked == true)
            {
                Pen covevien = new Pen(Color.Red, 3);
                g.DrawEllipse(covevien, x, y, w, h);
            }
            if (rb_yellow.Checked == true)
            {
                Pen covevien = new Pen(Color.Yellow, 3);
                g.DrawEllipse(covevien, x, y, w, h);
            }


        }

        private void rb_ellipse_CheckedChanged(object sender, EventArgs e)
        {
            if (rb_ellipse.Checked == true)
            {
                g = CreateGraphics();
                ellipse(g);
            }
        }
        private void recline(Graphics g)
        {
            int x = 250;
            int y = 30;
            int w = 30;
```

```csharp
            int h = 80;
            Rectangle hinh = new Rectangle(x, y, w, h);
            //SolidBrush cotomau = new SolidBrush(Color.Blue); //tô màu
    nền
            if (rb_green.Checked == true)
            {
                Pen covevien = new Pen(Color.Green, 3);
                g.DrawRectangle(covevien, x, y, w, h);
            }
            if (rb_red.Checked == true)
            {
                Pen covevien = new Pen(Color.Red, 3);
                g.DrawRectangle(covevien, x, y, w, h);
            }
            if (rb_yellow.Checked == true)
            {
                Pen covevien = new Pen(Color.Yellow, 3);
                g.DrawRectangle(covevien, x, y, w, h);
            }


        }
        private void rb_recline_CheckedChanged(object sender, EventArgs e)
        {
            if (rb_recline.Checked == true)
            {
                g = CreateGraphics();
                recline(g);
            }
        }
        private void rec(Graphics g)
        {
            int x = 400;
            int y = 200;
            int w = 120;
            int h = 60;
            Rectangle hinh = new Rectangle(x, y, w, h);
            //SolidBrush cotomau = new SolidBrush(Color.Blue); //tô màu
    nền
            if (rb_green.Checked == true)
            {
                Pen covevien = new Pen(Color.Green, 3);
                g.DrawRectangle(covevien, x, y, w, h);
            }
            if (rb_red.Checked == true)
            {
                Pen covevien = new Pen(Color.Red, 3);
                g.DrawRectangle(covevien, x, y, w, h);
            }
            if (rb_yellow.Checked == true)
            {
                Pen covevien = new Pen(Color.Yellow, 3);
                g.DrawRectangle(covevien, x, y, w, h);
            }


        }
        private void rb_rec_CheckedChanged(object sender, EventArgs e)
        {
            if (rb_rec.Checked == true)
            {
                g = CreateGraphics();
                rec(g);
            }
        }

        private void rb_red_CheckedChanged(object sender, EventArgs e)
        {
            if (rb_ellipse.Checked == true)
```

```csharp
            {
                g = CreateGraphics();
                ellipse(g);
            }
            if (rb_rec.Checked == true)
            {
                g = CreateGraphics();
                rec(g);
            }
            if (rb_recline.Checked == true)
            {
                g = CreateGraphics();
                recline(g);
            }
            if (rb_line.Checked == true)
            {
                g = CreateGraphics();
                line(g);
            }
        }

        private void rb_yellow_CheckedChanged(object sender, EventArgs e)
        {
            if (rb_ellipse.Checked == true)
            {
                g = CreateGraphics();
                ellipse(g);
            }
            if (rb_rec.Checked == true)
            {
                g = CreateGraphics();
                rec(g);
            }
            if (rb_recline.Checked == true)
            {
                g = CreateGraphics();
                recline(g);
            }
            if (rb_line.Checked == true)
            {
                g = CreateGraphics();
                line(g);
            }
        }

        private void rb_green_CheckedChanged(object sender, EventArgs e)
        {
            if (rb_ellipse.Checked == true)
            {
                g = CreateGraphics();
                ellipse(g);
            }
            if (rb_rec.Checked == true)
            {
                g = CreateGraphics();
                rec(g);
            }
            if (rb_recline.Checked == true)
            {
                g = CreateGraphics();
                recline(g);
            }
            if (rb_line.Checked == true)
            {
                g = CreateGraphics();
                line(g);
            }
        }
        private void line(Graphics g)
```

```csharp
        {
            int x = 520;
            int y = 300;
            int w = 230;
            int h = 10;
            Rectangle hinh = new Rectangle(x, y, w, h);
            //SolidBrush cotomau = new SolidBrush(Color.Blue); //tô màu
nền
            if (rb_green.Checked == true)
            {
                Pen covevien = new Pen(Color.Green, 3);
                g.DrawLine(covevien, x, y, w, h);
            }
            if (rb_red.Checked == true)
            {
                Pen covevien = new Pen(Color.Red, 3);
                g.DrawLine(covevien, x, y, w, h);
            }
            if (rb_yellow.Checked == true)
            {
                Pen covevien = new Pen(Color.Yellow, 3);
                g.DrawLine(covevien, x, y, w, h);
            }
        }
        private void rb_line_CheckedChanged(object sender, EventArgs e)
        {
            if (rb_line.Checked == true)
            {
                g = CreateGraphics();
                line(g);
            }
        }
```



```csharp
float a, b, x;
        private void bt_ketthuc_Click(object sender, EventArgs e)
        {
            DialogResult h = MessageBox.Show("Bạn muốn thoát không ?",
"Thông báo", MessageBoxButtons.YesNo);
            if (h == DialogResult.Yes)
                Application.Exit();
        }

        private void hScrollBar1_Scroll(object sender, ScrollEventArgs e)
        {
            hScrollBar1.Minimum = -100;
            hScrollBar1.Maximum = 100;
            txt_a.Text = hScrollBar1.Value.ToString();
```

```csharp
            a = hScrollBar1.Value;
            b = hScrollBar2.Value;
            if (a == 0)
            {
                txt_x.Text = "Vô nghiệm";
            }
            if (a != 0)
            {
                txt_x.Text = (-b / a).ToString();
            }
        }

        private void hScrollBar2_Scroll(object sender, ScrollEventArgs e)
        {
            hScrollBar2.Minimum = -100;
            hScrollBar2.Maximum = 100;
            txt_b.Text = hScrollBar2.Value.ToString();
            a = hScrollBar1.Value;
            b = hScrollBar2.Value;
            if (a == 0)
            {
                txt_x.Text = "Vô nghiệm";
            }
            if (a != 0)
            {
                txt_x.Text = (-b / a).ToString();
            }
        }
```
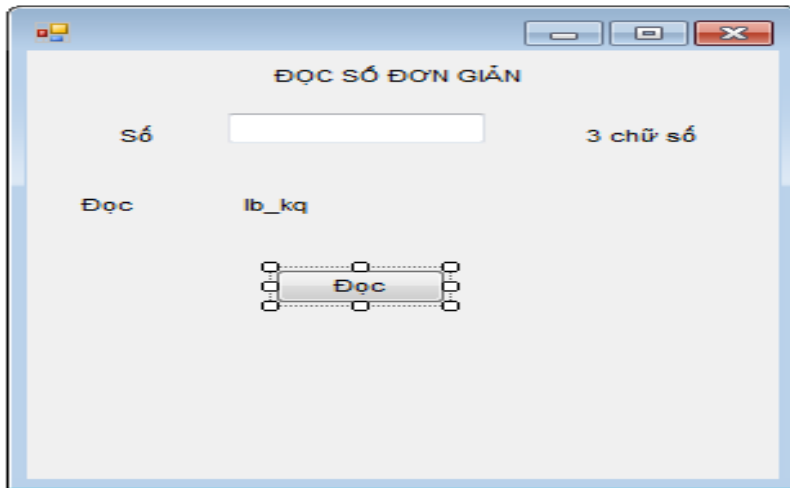


```csharp
private void button1_Click(object sender, EventArgs e)
        {
            int so = int.Parse(txt_so.Text);
            if (so >= 100&&so<1000)
            {
                string tram = "";
                if (so / 100 == 1)
                    tram = "một trăm";
                if (so / 100 == 2)
                    tram = "hai trăm";
                if (so / 100 == 3)
                    tram = "ba trăm";
                if (so / 100 == 4)
                    tram = "bốn trăm";
                if (so / 100 == 5)
                    tram = "năm trăm";
                if (so / 100 == 6)
                    tram = "sáu trăm";
                if (so / 100 == 7)
                    tram = "bảy trăm";
                if (so / 100 == 8)
                    tram = "tám trăm";
                if (so / 100 == 9)
```

```csharp
            tram = "chín trăm";
        string chuc = "";
        if ((so - 100) / 10 == 0)
            chuc = " lẻ";
        if ((so - 100) / 10 == 1)
            chuc = " mười";
        if ((so - 100) / 10 == 2)
            chuc = " hai mươi";
        if ((so - 100) / 10 == 3)
            chuc = "ba mươi";
        if ((so - 100) / 10 == 4)
            chuc = " bốn mươi";
        if ((so - 100) / 10 == 5)
            chuc = " năm mươi";
        if ((so - 100) / 10 == 6)
            chuc = " sáu mươi";
        if ((so - 100) / 10 == 7)
            chuc = " bảy mươi";
        if ((so - 100) / 10 == 8)
            chuc = " tám mươi";
        if ((so - 100) / 10 == 9)
            chuc = " chín mươi";
        string dv = "";
        if (so % 100 == 1)
            dv = " mốt";
        if (so % 100 == 2)
            dv = " hai";
        if (so % 100 == 3)
            dv = " ba";
        if (so % 100 == 4)
            dv = " bốn";
        if (so % 100 == 5)
            dv = " năm";
        if (so % 100 == 6)
            dv = " sáu";
        if (so % 100 == 7)
            dv = " bảy";
        if (so % 100 == 8)
            dv = " tám";
        if (so % 100 == 9)
            dv = " chín";
        lb_kq.Text = tram + chuc + dv;

    }
}
```


QUẢN LÍ PHÒNG KS

Số phòng: [   ]

Danh sách phòng đã đặt:

lsb_danhsach

Thêm

```csharp
private void bt_them_Click(object sender, EventArgs e)
{
    int sophong = int.Parse(txt_sophong.Text);
    if (lsb_danhsach.Items.Contains(sophong))
        MessageBox.Show("Phòng đã thuê");
    else
        lsb_danhsach.Items.Add(sophong);
}
```
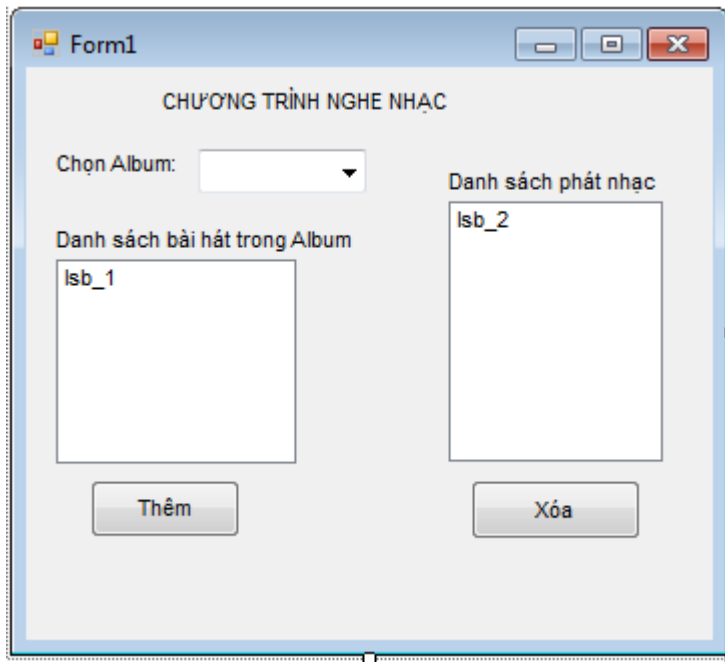


```csharp
private void Form1_Load(object sender, EventArgs e)
{
    cmb_album.Items.Add("CD1");
    cmb_album.Items.Add("CD2");
    cmb_album.Items.Add("CD3");
}

private void cmb_album_SelectedIndexChanged(object sender,
EventArgs e)
{

    if (cmb_album.SelectedIndex== 0)
    {
        lsb_1.Items.Clear();
        lsb_1.Items.Add(1);
        lsb_1.Items.Add(2);
        lsb_1.Items.Add(3);
        lsb_1.Items.Add(4);
        lsb_1.Items.Add(5);
    }
    if (cmb_album.SelectedIndex== 1)
    {
        lsb_1.Items.Clear();
        lsb_1.Items.Add(6);
        lsb_1.Items.Add(7);
        lsb_1.Items.Add(8);
        lsb_1.Items.Add(9);
        lsb_1.Items.Add(10);
    }
    if (cmb_album.SelectedIndex== 2)
    {
        lsb_1.Items.Clear();
        lsb_1.Items.Add(11);
        lsb_1.Items.Add(12);
        lsb_1.Items.Add(13);
        lsb_1.Items.Add(14);
        lsb_1.Items.Add(15);
    }
```

```csharp
        }

        private void bt_them_Click(object sender, EventArgs e)
        {
            if (lsb_2.Items.Contains(lsb_1.SelectedItem))
                MessageBox.Show("Bài hát đã có");
            else
                lsb_2.Items.Add(lsb_1.SelectedItem);
        }

        private void bt_xoa_Click(object sender, EventArgs e)
        {
            lsb_2.Items.Remove(lsb_2.SelectedItem);
        }
```



```csharp
private void Form1_Load(object sender, EventArgs e)
        {
            lsb_di.Items.Add("Tp.HCM");
            lsb_di.Items.Add("Nha Trang");
            lsb_den.Items.Add("Tp.HCM");
            lsb_den.Items.Add("Nha Trang");
            lsb_den.Items.Add("Đà Lạt");
            lsb_den.Items.Add("Tây Ninh");
            lsb_den.Items.Add("Phan Thiết");
            lsb_den.Items.Add("Cần Thơ");
        }

        private void bt_tinh_Click(object sender, EventArgs e)
        {
            int phuphu = 0;
            if (cb_ansang.Checked == true)
                phuphu += 50000;
            if (cb_khan.Checked == true)
                phuphu += 10000;
            if (cb_nuoc.Checked == true)
                phuphu += 20000;

if((lsb_di.SelectedItem=="Tp.HCM")&&(lsb_den.SelectedItem=="Tây Ninh"))
            txt_tien.Text=(300*10000+phuphu).ToString();
        if ((lsb_di.SelectedItem == "Tp.HCM") && (lsb_den.SelectedItem
== "Tp.HCM"))
                MessageBox.Show("Nơi đến nơi đi trùng nhau");
        if ((lsb_di.SelectedItem == "Tp.HCM") && (lsb_den.SelectedItem
== "Nha Trang"))
```

```csharp
            txt_tien.Text = (600 * 10000 + phuphu).ToString();
            if ((lsb_di.SelectedItem == "Tp.HCM") && (lsb_den.SelectedItem
== "Đà Lạt"))
                txt_tien.Text = (400 * 10000 + phuphu).ToString();
            if ((lsb_di.SelectedItem == "Tp.HCM") && (lsb_den.SelectedItem
== "Phan Thiết"))
                txt_tien.Text = (200 * 10000 + phuphu).ToString();
            if ((lsb_di.SelectedItem == "Tp.HCM") && (lsb_den.SelectedItem
== "Cần Thơ"))
                txt_tien.Text = (350 * 10000 + phuphu).ToString();
            if ((lsb_di.SelectedItem == "Nha Trang") &&
(lsb_den.SelectedItem == "Nha Trang"))
                MessageBox.Show("Nơi đến nơi đi trùng nhau");
            if ((lsb_di.SelectedItem == "Nha Trang") &&
(lsb_den.SelectedItem == "Tp.HCM"))
                txt_tien.Text = (600 * 10000 + phuphu).ToString();
            if ((lsb_di.SelectedItem == "Nha Trang") &&
(lsb_den.SelectedItem == "Tây Ninh"))
                txt_tien.Text = (320 * 10000 + phuphu).ToString();
            if ((lsb_di.SelectedItem == "Nha Trang") &&
(lsb_den.SelectedItem == "Đà Lạt"))
                txt_tien.Text = (250 * 10000 + phuphu).ToString();
            if ((lsb_di.SelectedItem == "Nha Trang") &&
(lsb_den.SelectedItem == "Phan Thiết"))
                txt_tien.Text = (300 * 10000 + phuphu).ToString();
            if ((lsb_di.SelectedItem == "Nha Trang") &&
(lsb_den.SelectedItem == "Cần Thơ"))
                txt_tien.Text = (800 * 10000 + phuphu).ToString();

        }
```
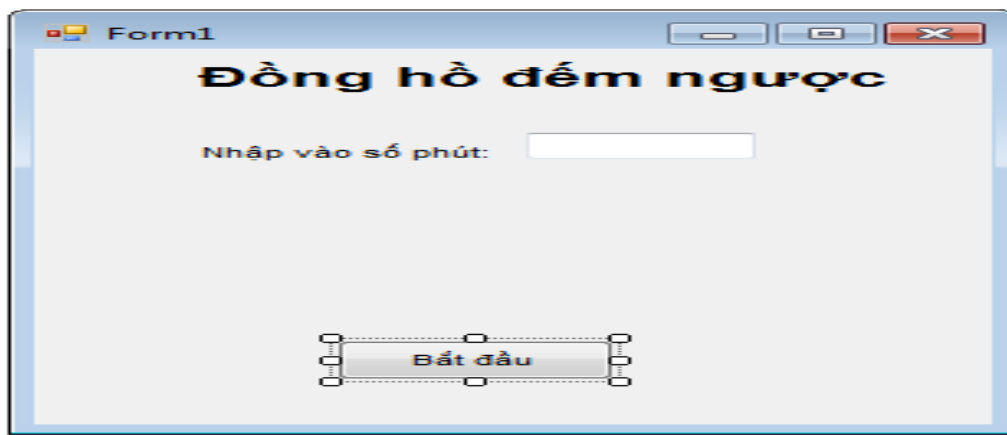
Form1 — TÌM CHUỖI

Nhập chữ: [   ]

Tìm chuỗi: [   ]

[Tìm]

```csharp
private void bt_tim_Click(object sender, EventArgs e)
        {
            if (txt_1.Text.Contains(txt_2.Text))
                MessageBox.Show("Có");
            else
                MessageBox.Show("Không");
        }
```
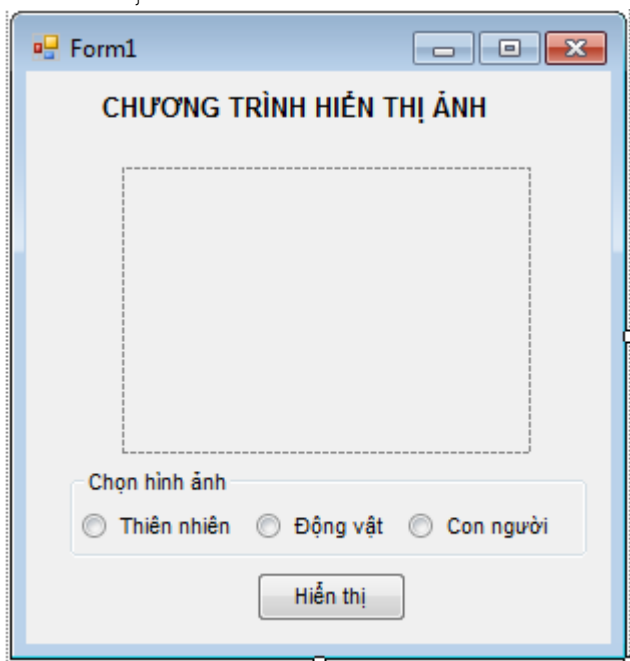
```csharp
int sogiay;
        private void bt_yes_Click(object sender, EventArgs e)
        {
            timer1.Enabled = true;
            lb_sogiay.Enabled = true;
            lb_sogiay.Visible = true;
            timer1.Interval = 1000;
            sogiay = int.Parse(txt_sophut.Text) * 60;
        }

        private void timer1_Tick(object sender, EventArgs e)
        {
            if (sogiay > 0)
            {
                sogiay = sogiay - 1;
                lb_sogiay.Text = sogiay.ToString();
                bt_yes.Enabled = false;
            }
            else
            {
                bt_yes.Enabled = true;
                timer1.Enabled = false;
                MessageBox.Show("Đã hết thời gian", "Thông báo");
                Application.Exit();
            }
        }
```

```csharp
private void bt_yes_Click(object sender, EventArgs e)
{
    if(rb_connguoi.Checked==true)
    {
        picbox.Image = Image.FromFile("connguoi.jpg");
        picbox.SizeMode = PictureBoxSizeMode.StretchImage;
    }
    if (rb_dongvat.Checked == true)
    {
        picbox.Image = Image.FromFile("dongvat.jpg");
        picbox.SizeMode = PictureBoxSizeMode.StretchImage;
    }
    if (rb_thiennhien.Checked == true)
    {
        picbox.Image = Image.FromFile("thiennhien.jpg");
        picbox.SizeMode = PictureBoxSizeMode.StretchImage;
    }
}
```
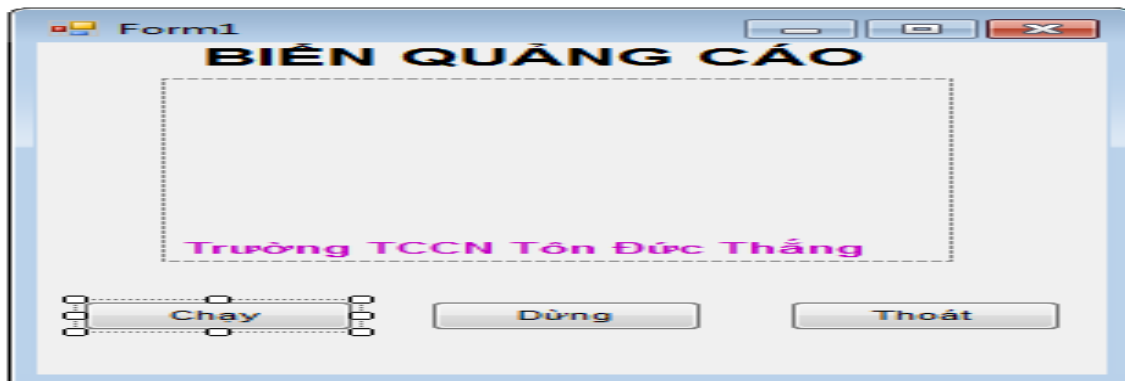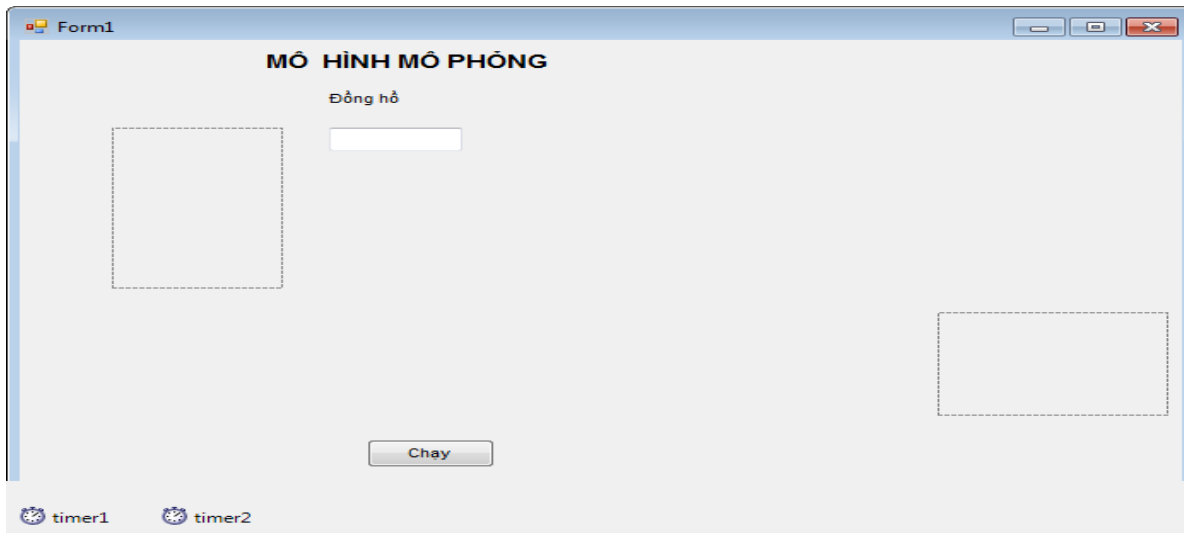


```csharp
private void bt_chay_Click(object sender, EventArgs e)
{
    timer1.Enabled = true;
}

private void timer1_Tick(object sender, EventArgs e)
{
    lb_quangcao.Top-=5;
    if (lb_quangcao.Top + lb_quangcao.Height == pn_quangcao.Top)
        lb_quangcao.Top = lb_quangcao.Height + pn_quangcao.Height;
        //lb_quangcao.Top = pn_quangcao.Height;
}

private void bt_dung_Click(object sender, EventArgs e)
{
    timer1.Enabled = false;
}
```

```csharp
int sogiay=20;
        private void timer1_Tick(object sender, EventArgs e)
        {
            picbox1.Left -=20;
            //lb_quangcao.Top = pn_quangcao.Height;

            if (sogiay > 0)
            {
                if (sogiay == 4)
                {
                    picbox2.Image = Image.FromFile("vang.jpg");
                    picbox2.SizeMode = PictureBoxSizeMode.StretchImage;
                }
                timer1.Enabled = true;
                sogiay = sogiay - 1;
                txt_20.Text = sogiay.ToString();
                bt_chay.Enabled = false;
            }
            else
            {

                    picbox2.Image = Image.FromFile("do.jpg");
                    picbox2.SizeMode = PictureBoxSizeMode.StretchImage;
                    timer1.Enabled = false;
                    bt_chay.Enabled = true;
                    timer1.Enabled = false;

            }
        }

        private void bt_chay_Click(object sender, EventArgs e)
        {
            picbox2.Image = Image.FromFile("xanh.jpg");
            picbox2.SizeMode = PictureBoxSizeMode.StretchImage;
            picbox1.Image = Image.FromFile("xe.png");
            picbox1.SizeMode = PictureBoxSizeMode.StretchImage;
            timer1.Enabled = true;
            txt_sogiay.Enabled = true;
            txt_sogiay.Visible = true;
            timer1.Interval = 500;
            timer2.Enabled = true;
            timer2.Interval = 500;
        }
        int time2 = 40;
        private void timer2_Tick(object sender, EventArgs e)
        {

            if (time2 > 0)
            {
```
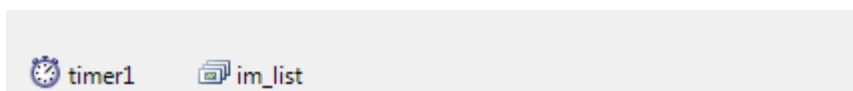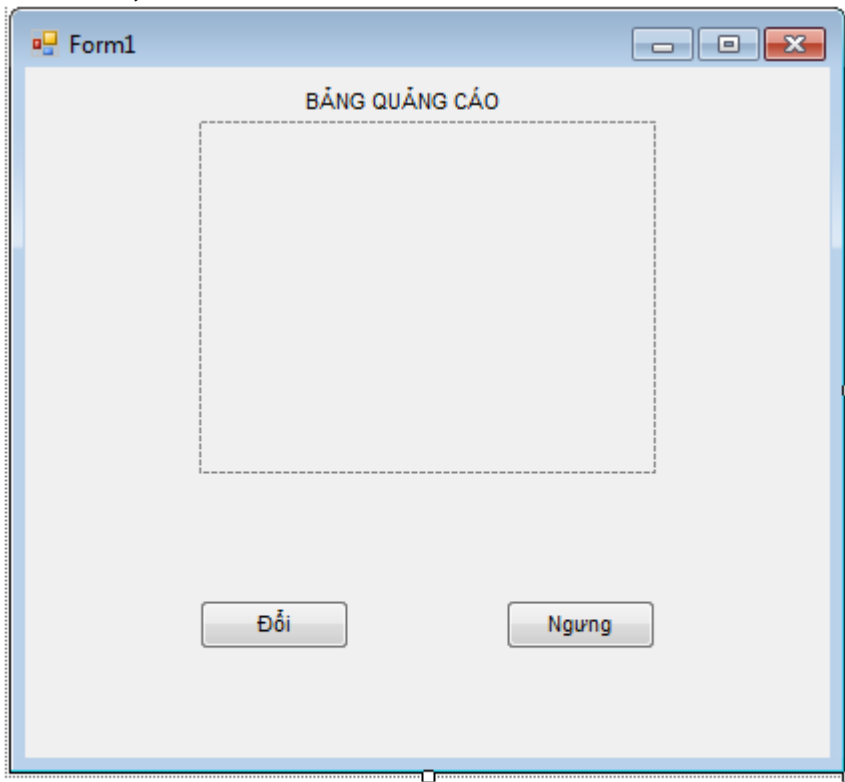
```
                        if (time2 < 15)
                        {
                                picbox2.Image = Image.FromFile("xanh.jpg");
                                picbox2.SizeMode = PictureBoxSizeMode.StretchImage;
                                picbox1.Left -= 20;
                        }

                    }
                    timer2.Enabled = true;
                    time2 = time2 - 1;
                    bt_chay.Enabled = false;
                }
```
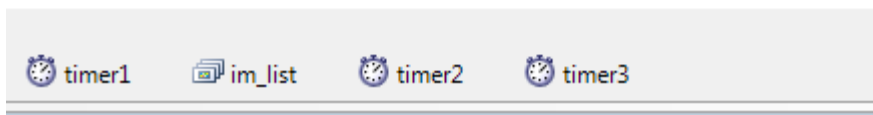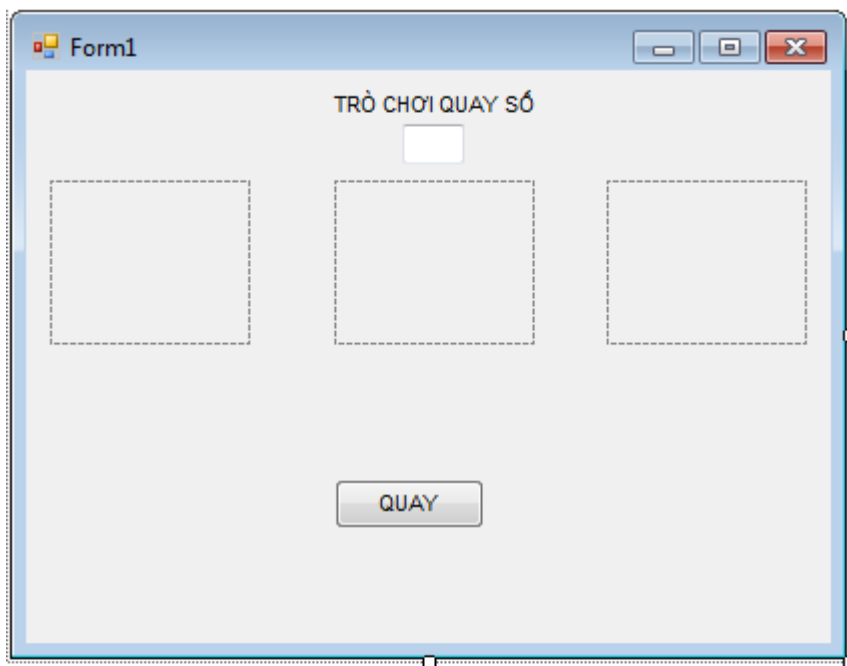


```
int thaydoi = 100;
        private void bt_doi_Click(object sender, EventArgs e)
        {
            timer1.Enabled = true;


        }

        private void timer1_Tick(object sender, EventArgs e)
        {
            if (thaydoi % 2 == 0)
                pic.Image = im_list.Images[0];
            else
                pic.Image = im_list.Images[1];
            thaydoi = thaydoi - 1;
            if (thaydoi == 0)
                thaydoi = 100;
        }

        private void bt_ngung_Click(object sender, EventArgs e)
        {
            timer1.Enabled = false;
        }
```

TRÒ CHƠI QUAY SỐ

QUAY

timer1   im_list   timer2   timer3

```csharp
int sogiay1 = 10;
        string pic1;
        string pic2;
        string pic3;
        int so1, so2, so3;
        private void bt_yes_Click(object sender, EventArgs e)
        {
            label2.Text = "";
            timer1.Enabled = true;
            timer1.Interval = 1000;
            timer2.Enabled = true;
            timer2.Interval = 150;
            timer3.Enabled = true;
            timer3.Interval = 500;
        }

        private void timer1_Tick(object sender, EventArgs e)
        {

            if (sogiay1 > 0)
            {
                Random n = new Random();
                so1 = n.Next(0, 5);
                picbox_1.Image = im_list.Images[so1];
                sogiay1 = sogiay1 - 1;
                txt_1.Text = sogiay1.ToString();
                bt_yes.Enabled = false;
            }
            if (sogiay1 == 0)
            {
                sogiay1 = 10;
                timer1.Enabled = false;
                timer2.Enabled = false;
                timer3.Enabled = false;
```

```csharp
                    bt_yes.Enabled = true;
                    string pic1 = im_list.Images.Keys[so1];
                    if (so1 == so2)
                        label2.Text = "Bạn đã trúng 500 USD";
                    if (so1 == so3)
                        label2.Text = "Bạn đã trúng 500 USD";
                    if (so3 == so2)
                        label2.Text = "Bạn đã trúng 500 USD";
                    if(so1==so2&&so1==so3)
                        label2.Text = "Bạn đã trúng 10.000 USD";
                    if(so1!=so2&&so1!=so3&&so3!=so2)
                        label2.Text = "Chúc bạn may mắn lần sau";



            }

    }

    private void timer2_Tick(object sender, EventArgs e)
    {
        if (sogiay1 > 0)
        {
            Random n = new Random();
            so2 = n.Next(0, 5);
            picbox_2.Image = im_list.Images[so2];
        }
        if (sogiay1 == 0)
        {
            pic2 = im_list.Images.Keys[so2];
        }
    }

    private void timer3_Tick(object sender, EventArgs e)
    {
        if (sogiay1 > 0)
        {
            Random n = new Random();
            so3 = n.Next(0, 5);
            picbox_3.Image = im_list.Images[so3];
        }
        if (sogiay1 == 0)
        {

            pic3 = im_list.Images.Keys[so3];
        }
    }
```
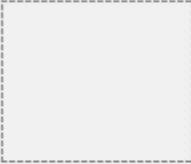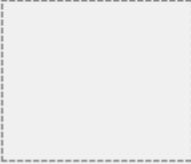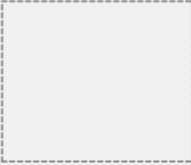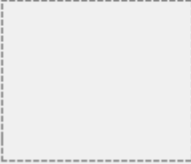
	Diện tích	Dân số	Thủ đô
☐ Tất cả			
☐	5000 Km2	1 triệu	Rome
☐	3000 Km2	3,5 triệu	Tokyo
☐	4000 Km2	7,2 triệu	Seul
☐	6000 Km2	10 triệu	London
☐	7000 Km2	6,5 triệu	Paris
Tổng	0 Km2	0 triệu	

```csharp
int tong = 0;
        double dientich = 0;
        int a;
        double b;
        private void Form1_Load(object sender, EventArgs e)
        {
            picbox1.Image = Image.FromFile("1.gif");
            picbox1.SizeMode = PictureBoxSizeMode.StretchImage;
            picbox2.Image = Image.FromFile("2.gif");
            picbox2.SizeMode = PictureBoxSizeMode.StretchImage;
            picbox3.Image = Image.FromFile("3.gif");
            picbox3.SizeMode = PictureBoxSizeMode.StretchImage;
            picbox4.Image = Image.FromFile("4.gif");
            picbox4.SizeMode = PictureBoxSizeMode.StretchImage;
            picbox5.Image = Image.FromFile("5.gif");
            picbox5.SizeMode = PictureBoxSizeMode.StretchImage;

        }

        private void cb_1_CheckedChanged(object sender, EventArgs e)
        {
            if (cb_1.Checked == true)
            {
                a = 5000;
                b = 1;
            }
            else
            {
                a = -5000;
                b = -1;
            }
            tong = tong + a;
```

```csharp
            dientich = dientich + b;
            lb_tong.Text = tong.ToString();
            lb_dt.Text=dientich.ToString();
        }

        private void cb_2_CheckedChanged(object sender, EventArgs e)
        {
            if (cb_2.Checked == true)
            {
                a = 3000;
                b = 3.5;
            }
            else
            {
                a = -3000;
                b = -3.5;
            }
            tong = tong + a;
            dientich = dientich + b;
            lb_tong.Text = tong.ToString();
            lb_dt.Text = dientich.ToString();
        }

        private void cb_3_CheckedChanged(object sender, EventArgs e)
        {
            if (cb_3.Checked == true)
            {
                a = 4000;
                b = 7.2;
            }
            else
            {
                a = -4000;
                b = -7.2;
            }
            tong = tong + a;
            dientich = dientich + b;
            lb_tong.Text = tong.ToString();
            lb_dt.Text = dientich.ToString();
        }

        private void cb_4_CheckedChanged(object sender, EventArgs e)
        {
            if (cb_4.Checked == true)
            {
                a = 6000;
                b = 10;
            }
            else
            {
                a = -6000;
                b = -10;
            }
            tong = tong + a;
            dientich = dientich + b;
            lb_tong.Text = tong.ToString();
            lb_dt.Text = dientich.ToString();
        }

        private void cb_5_CheckedChanged(object sender, EventArgs e)
        {
            if (cb_5.Checked == true)
            {
                a = 7000;
                b = 6.5;
            }
            else
            {
                a = -7000;
```

```csharp
                b = -6.5;
            }
            tong = tong + a;
            dientich = dientich + b;
            lb_tong.Text = tong.ToString();
            lb_dt.Text = dientich.ToString();
        }

        private void cb_all_CheckedChanged(object sender, EventArgs e)
        {
            if (cb_all.Checked == true)
            {
                cb_1.Checked = true;
                cb_2.Checked = true;
                cb_3.Checked = true;
                cb_4.Checked = true;
                cb_5.Checked = true;
            }
            else
            {
                cb_1.Checked = false;
                cb_2.Checked = false;
                cb_3.Checked = false;
                cb_4.Checked = false;
                cb_5.Checked = false;
            }

        }
```



```csharp
private void Form1_Load(object sender, EventArgs e)
        {
            cbb_loaiphong.Items.Add("Standar");
            cbb_loaiphong.Items.Add("VIP");
            cbb_loaiphong.Items.Add("Luxury");
        }

        private void bt_tinh_Click(object sender, EventArgs e)
        {
            int sodem = int.Parse(txt_sodem.Text);
            int sotien=0;
            if (cbb_loaiphong.SelectedIndex == 0)
                sotien = sodem * 300;
            else if (cbb_loaiphong.SelectedIndex == 1)
                sotien = sodem * 500;
            else
                sotien = sodem * 1000;
            lb_tien.Text = sotien.ToString();
```

}
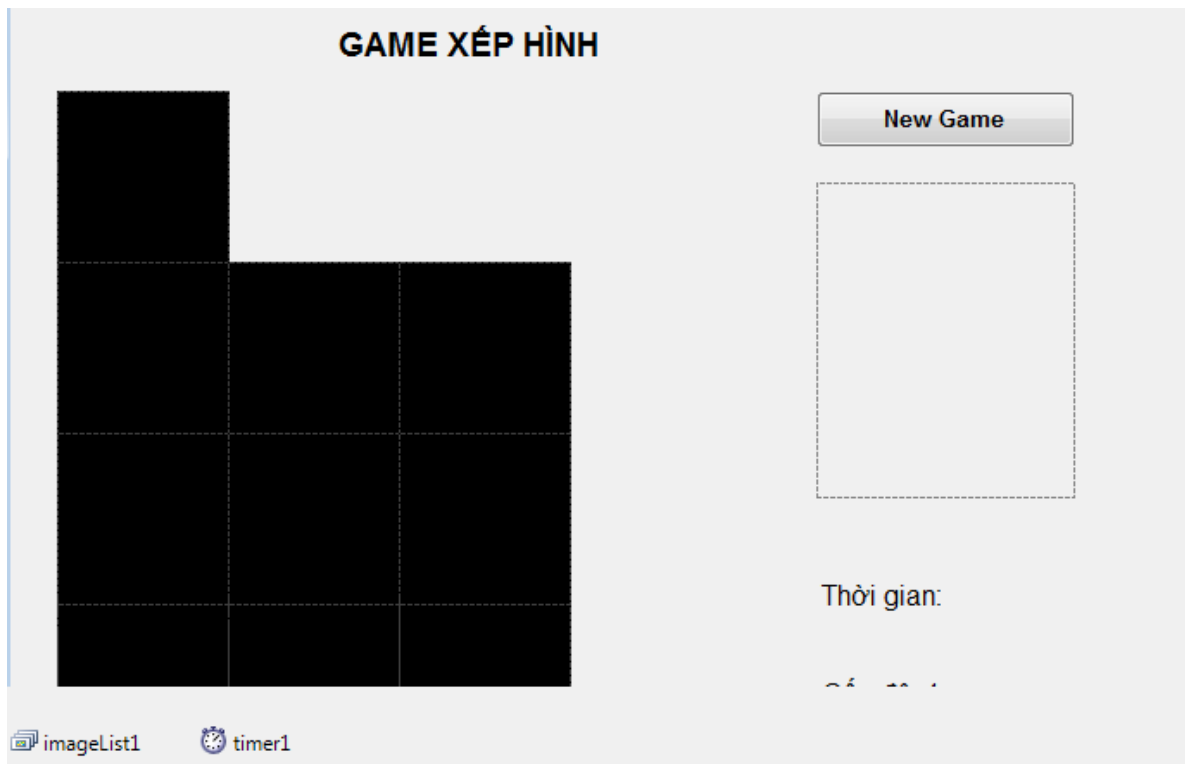

```
private void newgame_Click(object sender, EventArgs e)
        {
            time = 10000;
            timer1.Enabled = true;
            timer1.Interval = 1000;
            pic.Image = Image.FromFile("lv1.png");
            int[] a = new int[8] { 1, 2, 3, 4, 5, 6, 7, 8 };
            Random rd = new Random();
            for (int i = 0; i < 8; i++)
            {
                for (int j = i + 1; j < 8; j++)
                {
                    int temp = rd.Next(1, 1000);
                    if (temp % 2 == 0)
                    {
                        int tam = a[i];
                        a[i] = a[j];
                        a[j] = tam;
                    }
                }
            }


            pic0.Image = null;
            pic1.Image = imageList1.Images[0];
            pic2.Image = imageList1.Images[a[0]];
            pic3.Image = imageList1.Images[a[1]];
            pic4.Image = imageList1.Images[a[2]];
            pic5.Image = imageList1.Images[a[3]];
            pic6.Image = imageList1.Images[a[4]];
            pic7.Image = imageList1.Images[a[5]];
            pic8.Image = imageList1.Images[a[6]];
            pic9.Image = imageList1.Images[a[7]];

            pic0.AccessibleName = "null";
            pic1.AccessibleName = "0";
            pic2.AccessibleName = a[0].ToString();
            pic3.AccessibleName = a[1].ToString();
            pic4.AccessibleName = a[2].ToString();
            pic5.AccessibleName = a[3].ToString();
            pic6.AccessibleName = a[4].ToString();
            pic7.AccessibleName = a[5].ToString();
```

```csharp
        pic8.AccessibleName = a[6].ToString();
        pic9.AccessibleName = a[7].ToString();
    }
    private bool kiemtra()
    {
        String Ten =
            pic1.AccessibleName +
            pic2.AccessibleName +
            pic3.AccessibleName +
            pic4.AccessibleName +
            pic5.AccessibleName +
            pic6.AccessibleName +
            pic7.AccessibleName +
            pic8.AccessibleName +
            pic9.AccessibleName;
        if (Ten == "012345678")
            return true;
        return false;

    }
    private void doihinh(PictureBox p1, PictureBox p2)
    {
        PictureBox Tam = new PictureBox();
        Tam.Image = p1.Image;
        p1.Image = p2.Image;
        p2.Image = Tam.Image;


        Tam.AccessibleName = p1.AccessibleName;
        p1.AccessibleName = p2.AccessibleName;
        p2.AccessibleName = Tam.AccessibleName;

    }

    private void pic0_Click(object sender, EventArgs e)
    {
        if (pic1.Image == null)
            doihinh(pic0, pic1);
        if (kiemtra())
        {
            MessageBox.Show("Win cấp độ 1 !");
            Form2 f2 = new Form2();
            this.Hide();
            f2.ShowDialog();
            this.Show();
            Application.Exit();
            timer1.Enabled = false;
        }
    }

    private void pic1_Click(object sender, EventArgs e)
    {
        if (pic0.Image == null)
            doihinh(pic1, pic0);
        if (pic2.Image == null)
            doihinh(pic1, pic2);
        if (pic4.Image == null)
            doihinh(pic1, pic4);
        if (kiemtra())
        {
            MessageBox.Show("Win cấp độ 1 !");
            Form2 f2 = new Form2();
            this.Hide();
            f2.ShowDialog();
            this.Show();
            Application.Exit();
            timer1.Enabled = false;
        }
    }
```

```csharp
private void pic2_Click(object sender, EventArgs e)
{
    if (pic1.Image == null)
        doihinh(pic2, pic1);
    if (pic3.Image == null)
        doihinh(pic2, pic3);
    if (pic5.Image == null)
        doihinh(pic2, pic5);
    if (kiemtra())
    {
        MessageBox.Show("Win cấp độ 1 !");
        Form2 f2 = new Form2();
        this.Hide();
        f2.ShowDialog();
        this.Show();
        Application.Exit();
        timer1.Enabled = false;
    }
}

private void pic3_Click(object sender, EventArgs e)
{
    if (pic2.Image == null)
        doihinh(pic3, pic2);
    if (pic6.Image == null)
        doihinh(pic3, pic6);
    if (kiemtra())
    {
        MessageBox.Show("Win cấp độ 1 !");
        Form2 f2 = new Form2();
        this.Hide();
        f2.ShowDialog();
        this.Show();
        Application.Exit();
        timer1.Enabled = false;
    }

}

private void pic4_Click(object sender, EventArgs e)
{
    if (pic1.Image == null)
        doihinh(pic4, pic1);
    if (pic5.Image == null)
        doihinh(pic4, pic5);
    if (pic7.Image == null)
        doihinh(pic4, pic7);
    if (kiemtra())
    {
        MessageBox.Show("Win cấp độ 1 !");
        Form2 f2 = new Form2();
        this.Hide();
        f2.ShowDialog();
        this.Show();
        Application.Exit();
        timer1.Enabled = false;
    }
}

private void pic5_Click(object sender, EventArgs e)
{
    if (pic6.Image == null)
        doihinh(pic5, pic6);
    if (pic2.Image == null)
        doihinh(pic5, pic2);
    if (pic4.Image == null)
        doihinh(pic5, pic4);
    if (pic8.Image == null)
        doihinh(pic5, pic8);
```

```csharp
            if (kiemtra())
            {
                MessageBox.Show("Win cấp độ 1 !");
                Form2 f2 = new Form2();
                this.Hide();
                f2.ShowDialog();
                this.Show();
                Application.Exit();
                timer1.Enabled = false;
            }
        }

        private void pic6_Click(object sender, EventArgs e)
        {
            if (pic3.Image == null)
                doihinh(pic6, pic3);
            if (pic5.Image == null)
                doihinh(pic6, pic5);
            if (pic9.Image == null)
                doihinh(pic6, pic9);
            if (kiemtra())
            {
                MessageBox.Show("Win cấp độ 1 !");
                Form2 f2 = new Form2();
                this.Hide();
                f2.ShowDialog();
                this.Show();
                Application.Exit();
                timer1.Enabled = false;
            }
        }

        private void pic7_Click(object sender, EventArgs e)
        {
            if (pic4.Image == null)
                doihinh(pic7, pic4);
            if (pic8.Image == null)
                doihinh(pic7, pic8);
            if (kiemtra())
            {
                MessageBox.Show("Win cấp độ 1 !");
                Form2 f2 = new Form2();
                this.Hide();
                f2.ShowDialog();
                this.Show();
                Application.Exit();
                timer1.Enabled = false;
            }
        }

        private void pic8_Click(object sender, EventArgs e)
        {
            if (pic5.Image == null)
                doihinh(pic8, pic5);
            if (pic7.Image == null)
                doihinh(pic8, pic7);
            if (pic9.Image == null)
                doihinh(pic8, pic9);
            if (kiemtra())
            {
                MessageBox.Show("Win cấp độ 1 !");
                Form2 f2 = new Form2();
                this.Hide();
                f2.ShowDialog();
                this.Show();
                Application.Exit();
                timer1.Enabled = false;
            }
        }
```

```csharp
        private void pic9_Click(object sender, EventArgs e)
        {
            if (pic6.Image == null)
                doihinh(pic9, pic6);
            if (pic8.Image == null)
                doihinh(pic9, pic8);
            if (kiemtra())
            {
                MessageBox.Show("Win cấp độ 1 !");
                Form2 f2 = new Form2();
                this.Hide();
                f2.ShowDialog();
                this.Show();
                Application.Exit();
                timer1.Enabled = false;
            }
        }
        int time = 10000;
        private void timer1_Tick(object sender, EventArgs e)
        {
            time -= 1;
            lb_thoigian.Text = time.ToString();
            if (time == 0)
            {
                timer1.Enabled = false;
                MessageBox.Show("Hết thời gian !");
                Application.Restart();
            }
        }
```
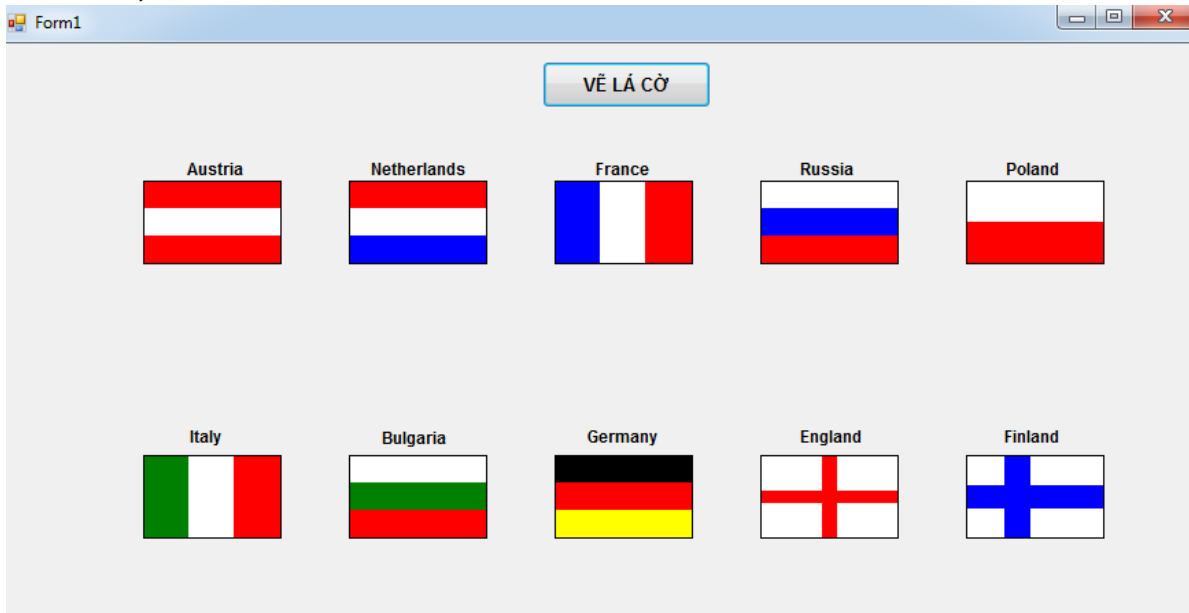


```csharp
Graphics g;
        private void co1_1(Graphics g)
        {
            //Austria
            int x = 100;
            int y = 100;
            int w = 100;
            int h = 20;
            Rectangle hinh = new Rectangle(x, y, w, h);
            SolidBrush cotomau = new SolidBrush(Color.Red); //tô màu nền
            Pen covevien = new Pen(Color.Red, 1); //tô màu viền
            g.DrawRectangle(covevien, x, y, w, h);
            g.FillRectangle(cotomau, hinh);

        }
        private void co1_2(Graphics g)
        {
            //Austria
            int x = 100;
```

```csharp
            int y = 120;
            int w = 100;
            int h = 20;
            Rectangle hinh = new Rectangle(x, y, w, h);
            SolidBrush cotomau = new SolidBrush(Color.White); //tô màu nền
            Pen covevien = new Pen(Color.White, 1); //tô màu viền
            g.DrawRectangle(covevien, x, y, w, h);
            g.FillRectangle(cotomau, hinh);

        }
        private void co1_3(Graphics g)
        {
            //Austria
            int x = 100;
            int y = 140;
            int w = 100;
            int h = 20;
            Rectangle hinh = new Rectangle(x, y, w, h);
            SolidBrush cotomau = new SolidBrush(Color.Red); //tô màu nền
            Pen covevien = new Pen(Color.Red, 1); //tô màu viền
            g.DrawRectangle(covevien, x, y, w, h);
            g.FillRectangle(cotomau, hinh);

        }
    private void co3_1(Graphics g)
        {
            //Austria
            int x = 400;
            int y = 100;
            int w = 33;
            int h = 60;
            Rectangle hinh = new Rectangle(x, y, w, h);
            SolidBrush cotomau = new SolidBrush(Color.Blue); //tô màu nền
            Pen covevien = new Pen(Color.Blue, 1); //tô màu viền
            g.DrawRectangle(covevien, x, y, w, h);
            g.FillRectangle(cotomau, hinh);

        }
        private void co3_2(Graphics g)
        {
            //Austria
            int x = 433;
            int y = 100;
            int w = 33;
            int h = 60;
            Rectangle hinh = new Rectangle(x, y, w, h);
            SolidBrush cotomau = new SolidBrush(Color.White); //tô màu nền
            Pen covevien = new Pen(Color.White, 1); //tô màu viền
            g.DrawRectangle(covevien, x, y, w, h);
            g.FillRectangle(cotomau, hinh);

        }
        private void co3_3(Graphics g)
        {
            //Austria
            int x = 466;
            int y = 100;
            int w = 33;
            int h = 60;
            Rectangle hinh = new Rectangle(x, y, w, h);
            SolidBrush cotomau = new SolidBrush(Color.Red); //tô màu nền
            Pen covevien = new Pen(Color.Red, 1); //tô màu viền
            g.DrawRectangle(covevien, x, y, w, h);
            g.FillRectangle(cotomau, hinh);

        }
```
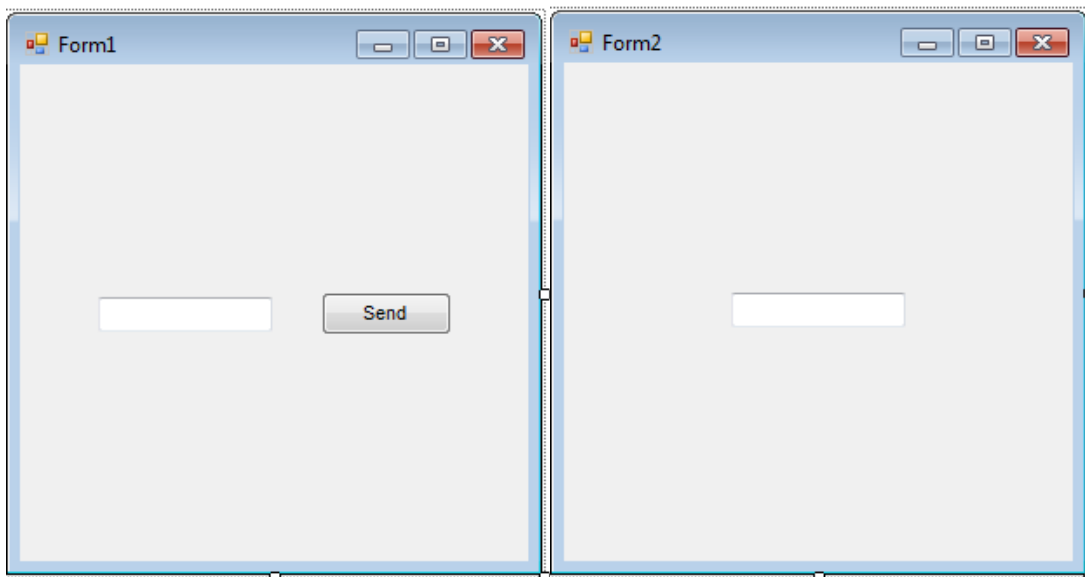
F1:
```
public delegate void ChuyenDuLieu(TextBox text);

        private void bt_send_Click(object sender, EventArgs e)
        {

            Form2 f2 = new Form2();
            ChuyenDuLieu ch = new ChuyenDuLieu(f2.laydulieu);
            ch(this.txt_form1);
            f2.Show();


        }
```
F2:
```
public void laydulieu(TextBox giatri)
        {
            txt_form2.Text = giatri.Text;
        }
```
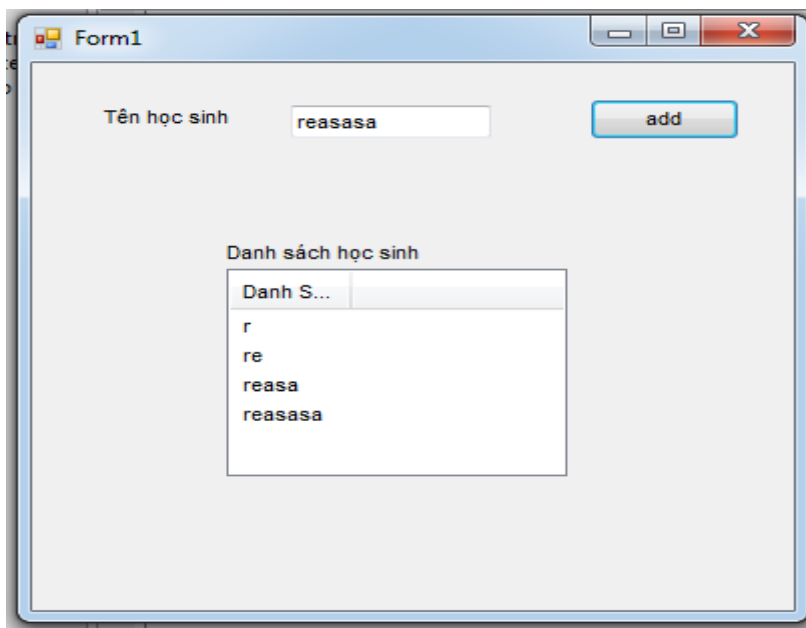


```
private void bt_add_Click(object sender, EventArgs e)
        {

            list.View = View.Details;
            ListViewItem hs = new ListViewItem(txt_name.Text);
            ListViewItem.ListViewSubItem add = new
ListViewItem.ListViewSubItem(hs,txt_name.Text);
            hs.SubItems.Add(txt_name.Text);
            list.Items.Add(hs);
            list.View = View.Details;
```

```
        }

        private void Form1_Load(object sender, EventArgs e)
        {
            list.Columns.Add("Danh Sách");
        }
```
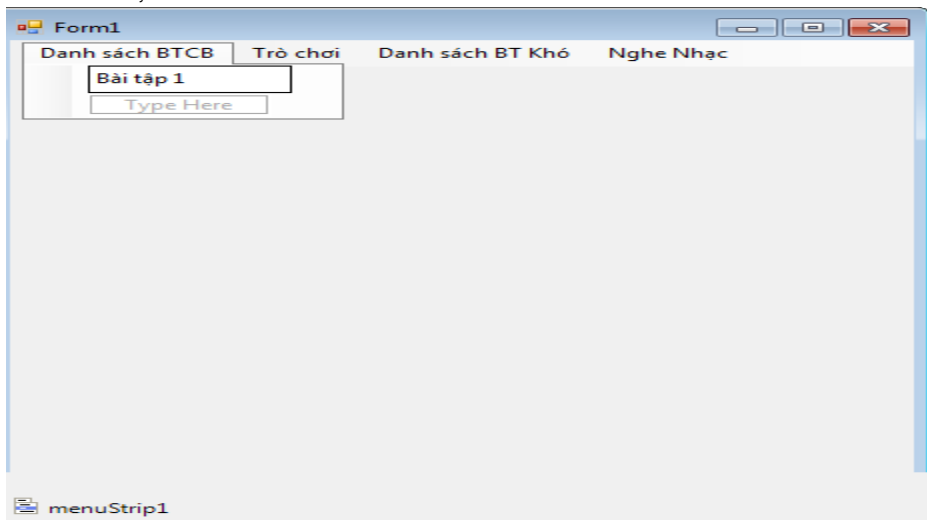


```
private void bt1_Click(object sender, EventArgs e)
        {
            bai01 bt = new bai01();
            bt.Show();
        }

        private void trochoi1_Click(object sender, EventArgs e)
        {
            bai02 bt = new bai02();
            bt.Show();
        }

        private void bàiTập1ToolStripMenuItem_Click(object sender,
EventArgs e)
        {
            bai03 bt = new bai03();
            bt.Show();
        }

        private void bàiTập1ToolStripMenuItem1_Click(object sender,
EventArgs e)
        {
            nghenhac1 bt = new nghenhac1();
            bt.Show();
        }
```

```csharp
int dem = 0;
        int[] a = new int[12] { 1, 2, 5, 3, 4, 5, 6, 2, 3, 1, 6, 4 };
        int[] b = new int[12] { 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 };
        int click1, click2;


        private void btNEW_Click(object sender, EventArgs e)
        {
            InitializeComponent();

            pb_1.Image = imageList1.Images[b[0]];
            pb_2.Image = imageList1.Images[b[0]];
            pb_3.Image = imageList1.Images[b[0]];
            pb_4.Image = imageList1.Images[b[0]];
            pb_5.Image = imageList1.Images[b[0]];
            pb_6.Image = imageList1.Images[b[0]];
            pb_7.Image = imageList1.Images[b[0]];
            pb_8.Image = imageList1.Images[b[0]];
            pb_9.Image = imageList1.Images[b[0]];
            pb_10.Image = imageList1.Images[b[0]];
            pb_11.Image = imageList1.Images[b[0]];
            pb_12.Image = imageList1.Images[b[0]];
            dem = 0;

        }
        bool test(int n)
        {
            if (n < 2)
                return true;
            return false;
        }

        private void kiemtra()
        {
            if (click1 == click2)
                for (int i = 0; i < 12; i++)
                    b[i] = 0;
            if (click2 != click1)
            {
                if (b[0] == 1)
                {
                    pb_1.Image = imageList1.Images[12];
                    b[0] = 0;
                }
                if (b[1] == 1)
                {
                    pb_2.Image = imageList1.Images[12];
                    b[1] = 0;
                }
                if (b[2] == 1)
                {
                    pb_3.Image = imageList1.Images[12];
                    b[2] = 0;
                }
                if (b[3] == 1)
                {
                    pb_4.Image = imageList1.Images[12];
                    b[3] = 0;
                }
                if (b[4] == 1)
                {
                    pb_5.Image = imageList1.Images[12];
                    b[4] = 0;
                }
                if (b[5] == 1)
                {
                    pb_6.Image = imageList1.Images[12];
                    b[5] = 0;
                }
```

```csharp
                if (b[6] == 1)
                {
                    pb_7.Image = imageList1.Images[12];
                    b[6] = 0;
                }
                if (b[7] == 1)
                {
                    pb_8.Image = imageList1.Images[12];
                    b[7] = 0;
                }
                if (b[8] == 1)
                {
                    pb_9.Image = imageList1.Images[12];
                    b[8] = 0;
                }
                if (b[9] == 1)
                {
                    pb_10.Image = imageList1.Images[12];
                    b[9] = 0;
                }
                if (b[10] == 1)
                {
                    pb_11.Image = imageList1.Images[12];
                    b[10] = 0;
                }
                if (b[11] == 1)
                {
                    pb_12.Image = imageList1.Images[12];
                    b[11] = 0;
                }
            }

        }
        private void pb_1_Click(object sender, EventArgs e)
        {

            b[0] = 1;
            pb_1.Image = imageList1.Images[a[0]];
            if (dem == 0)
            {
                click1 = 1;
                dem++;
            }
            else
                if (dem == 1)
                {
                    click2 = 1;
                    dem++;
                }
                else
                {
                    dem = 0;
                    kiemtra();
                }
        }

        private void pb_2_Click(object sender, EventArgs e)
        {
            b[1] = 1;
            pb_2.Image = imageList1.Images[a[1]];
            if (dem == 0)
            {
                click1 = 2;
                dem++;
            }
            else
                if (dem == 1)
                {
                    click2 = 2;
```

```csharp
                dem++;
            }
            else
            {
                dem = 0;
                kiemtra();
            }
        }

        private void pb_3_Click(object sender, EventArgs e)
        {
            b[2] = 1;
            pb_3.Image = imageList1.Images[a[2]];
            if (dem == 0)
            {
                click1 = 5;
                dem++;
            }
            else
                if (dem == 1)
                {
                    click2 = 5;
                    dem++;
                }
                else
                {
                    dem = 0;
                    kiemtra();
                }
        }

        private void pb_4_Click(object sender, EventArgs e)
        {
            b[3] = 1;
            pb_4.Image = imageList1.Images[a[3]];
            if (dem == 0)
            {
                click1 = 3;
                dem++;
            }
            else
                if (dem == 1)
                {
                    click2 = 3;
                    dem++;
                }
                else
                {
                    dem = 0;
                    kiemtra();
                }
        }

        private void pb_5_Click(object sender, EventArgs e)
        {
            b[4] = 1;
            pb_5.Image = imageList1.Images[a[4]];
            if (dem == 0)
            {
                click1 = 4;
                dem++;
            }
            else
                if (dem == 1)
                {
                    click2 = 4;
                    dem++;
                }
                else
```

```csharp
            {
                dem = 0;
                kiemtra();
            }
    }

    private void pb_6_Click(object sender, EventArgs e)
    {
        b[5] = 1;
        pb_6.Image = imageList1.Images[a[5]];
        if (dem == 0)
        {
            click1 = 5;
            dem++;
        }
        else
            if (dem == 1)
            {
                click2 = 5;
                dem++;
            }
            else
            {
                dem = 0;
                kiemtra();
            }
    }

    private void pb_7_Click(object sender, EventArgs e)
    {
        b[6] = 1;
        pb_7.Image = imageList1.Images[a[6]];
        if (dem == 0)
        {
            click1 = 6;
            dem++;
        }
        else
            if (dem == 1)
            {
                click2 = 6;
                dem++;
            }
            else
            {
                dem = 0;
                kiemtra();
            }
    }

    private void pb_8_Click(object sender, EventArgs e)
    {
        b[7] = 1;
        pb_8.Image = imageList1.Images[a[7]];
        if (dem == 0)
        {
            click1 = 2;
            dem++;
        }
        else
            if (dem == 1)
            {
                click2 = 2;
                dem++;
            }
            else
            {
                dem = 0;
                kiemtra();
```

```csharp
            }
    }

    private void pb_9_Click(object sender, EventArgs e)
    {
        b[8] = 1;
        pb_9.Image = imageList1.Images[a[8]];
        if (dem == 0)
        {
            click1 = 3;
            dem++;
        }
        else
            if (dem == 1)
            {
                click2 = 3;
                dem++;
            }
            else
            {
                dem = 0;
                kiemtra();
            }
    }

    private void pb_10_Click(object sender, EventArgs e)
    {
        b[9] = 1;
        pb_10.Image = imageList1.Images[a[9]];
        if (dem == 0)
        {
            click1 = 1;
            dem++;
        }
        else
            if (dem == 1)
            {
                click2 = 1;
                dem++;
            }
            else
            {
                dem = 0;
                kiemtra();
            }
    }

    private void pb_11_Click(object sender, EventArgs e)
    {
        b[10] = 1;
        pb_11.Image = imageList1.Images[a[10]];
        if (dem == 0)
        {
            click1 = 6;
            dem++;
        }
        else
            if (dem == 1)
            {
                click2 = 6;
                dem++;
            }
            else
            {
                dem = 0;
                kiemtra();
            }
    }
```