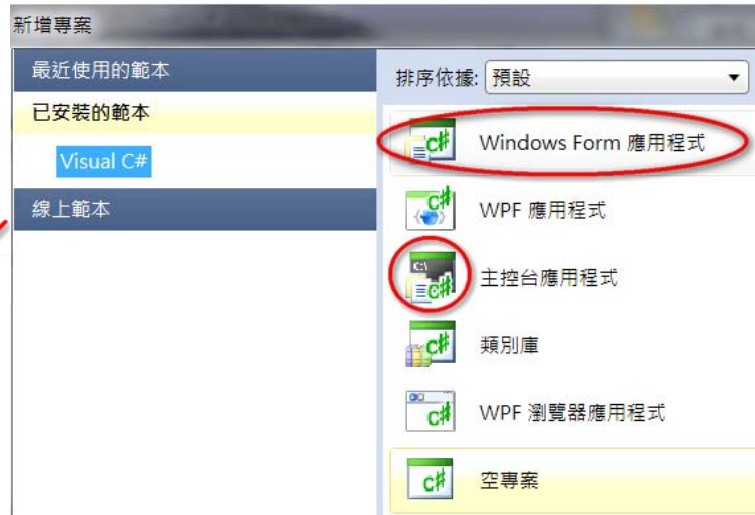
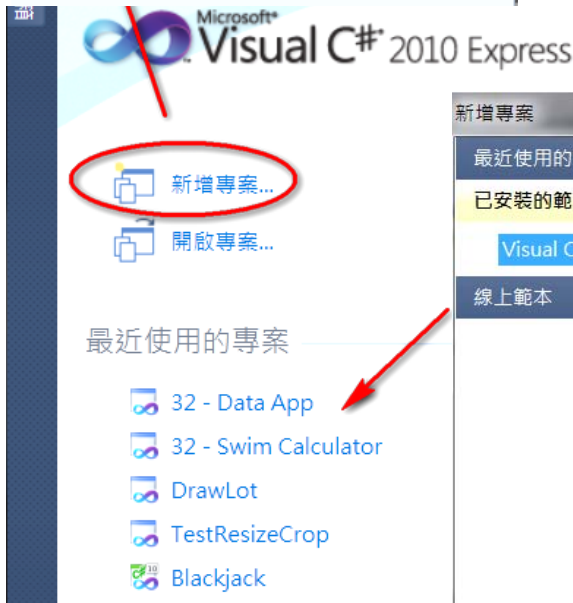
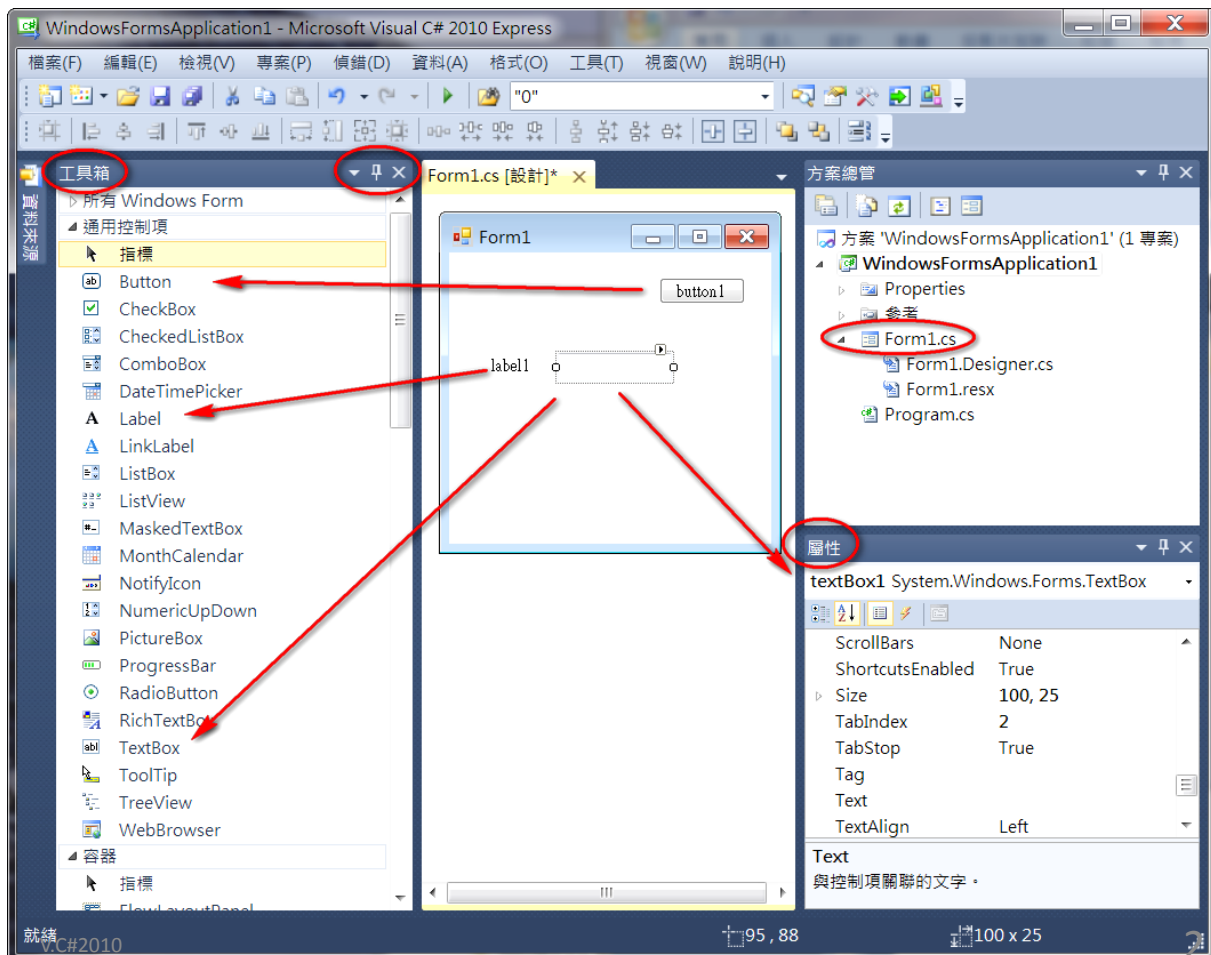


Visual C# 2010 Express



V.C#2010

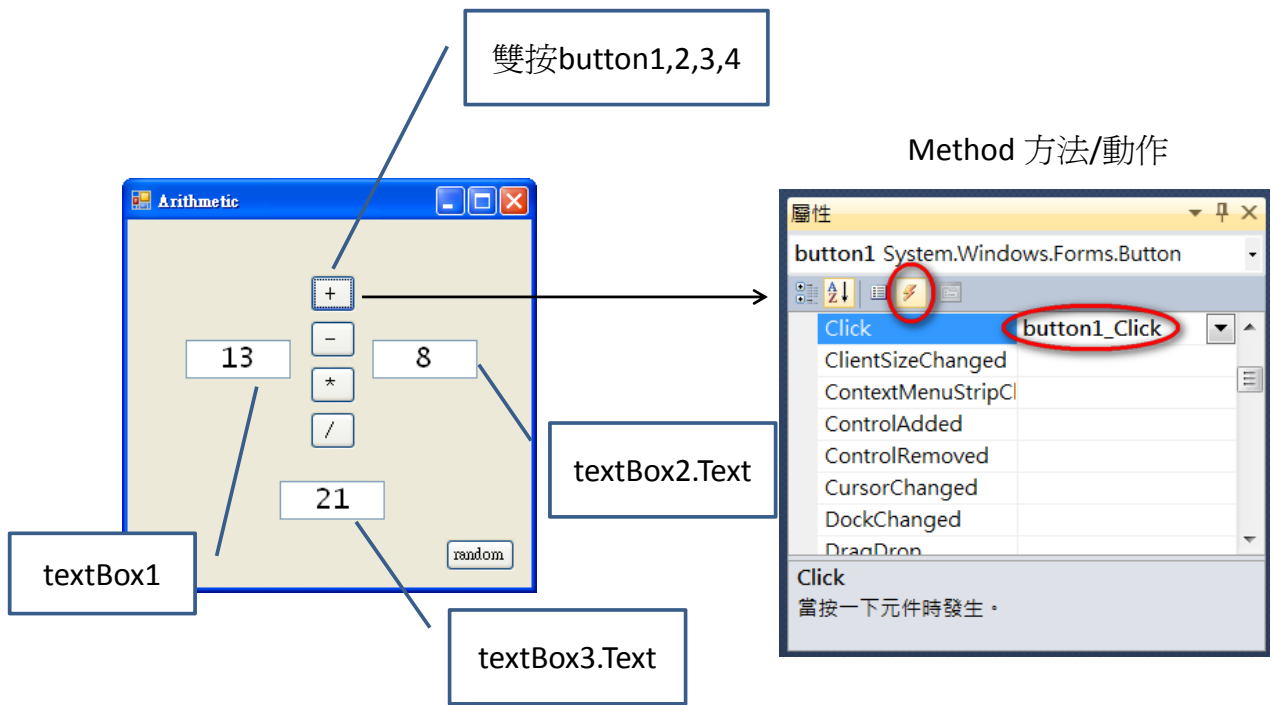
1



就緒 V.C#2010

95, 88

100 x 25



轉為數字

c是數字

```
int c = int.Parse(textBox1.Text) + ...;
textBox3.Text = c.ToString();
```

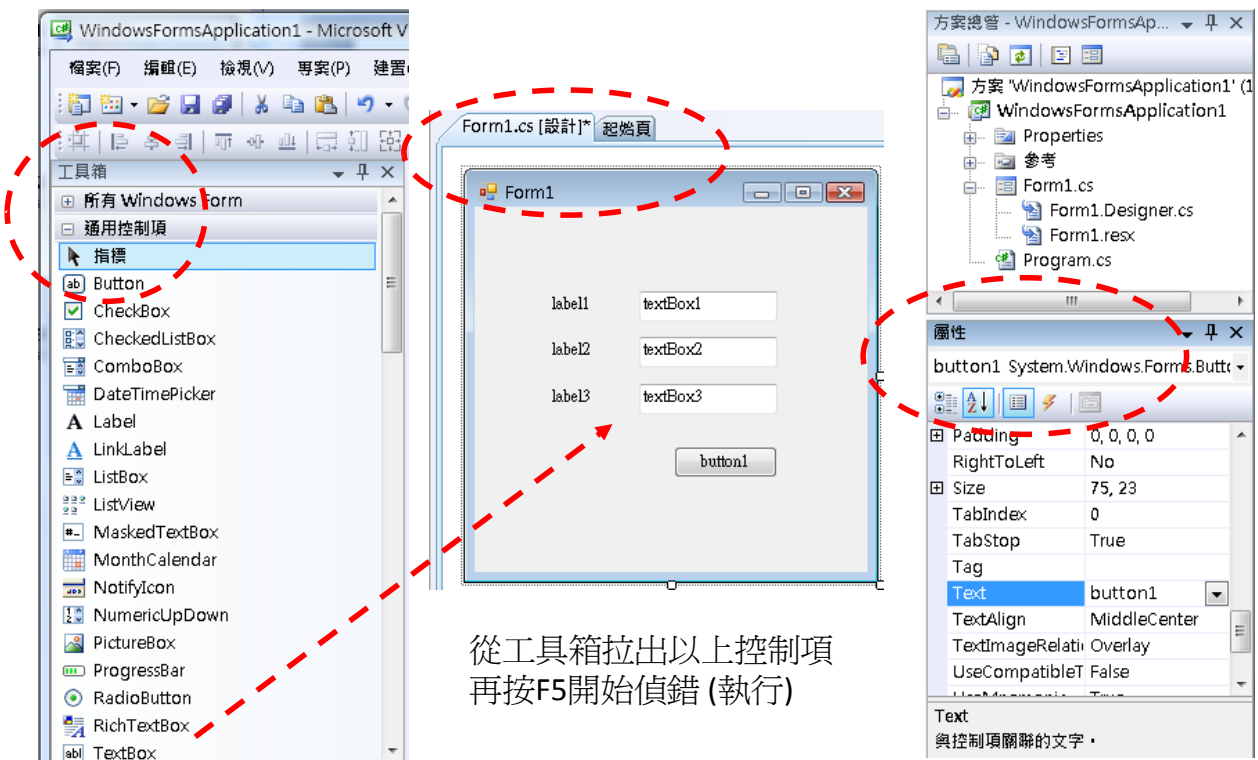
Text 是文字

轉為文字

工具箱 Tool Box

表單 Form

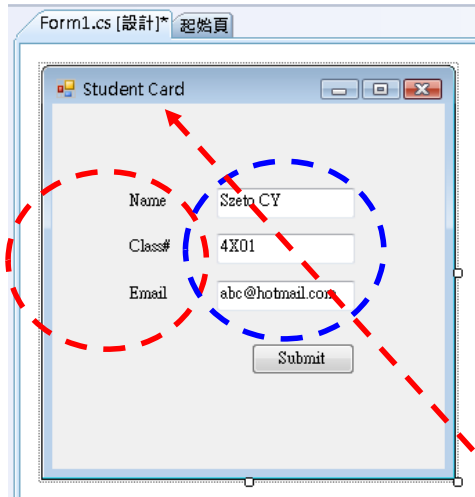
屬性 Properties



從工具箱拉出以上控制項
再按F5開始偵錯 (執行)

Ex1

按照下表，更改各控制項Text屬性
再按F5開始偵錯 (執行)



label1	Name
label2	Class#
label3	Email
textBox1	Chan TM
textBox2	4A01
textBox3	abc@hotmail.com
button1	&Submit
form1	Student Card

其他屬性:

BackColor	BackgroundImage
MaximumSize	Font
MinimumSize	ForeColor
Enabled	Size StartPosition
TextAlign Text	Visible

Ex1

加一個**按鈕 (Exit)**

雙按按鈕，並加入以下程式碼：

```
private void button2_Click(object sender, EventArgs e)
{
    Application.Exit();
}
```



加另一個**按鈕 (中文)**

雙按按鈕，並加入以下程式碼：

```
private void button3_Click(object sender, EventArgs e)
{
    textBox1.Text = "陳大文";
}
```



雙按**表單 Form1**，並加入以下程式碼：

```
private void Form1_Load(object sender, EventArgs e)
{
    textBox1.Focus();
}
```

Ex2

textBox1.Text	textBox2.Text	textBox3.Text	button1
<input type="text" value="12"/>	<input type="text" value="31"/>	<input type="text" value="25"/>	<input type="button" value="Calculate"/>
txtMin.Text	txtMid.Text	txtMax.Text	txtSum.Text
<input type="text" value="12"/>	<input type="text" value="25"/>	<input type="text" value="31"/>	<input type="text" value="68"/>

Ex3

Temperature: C to F

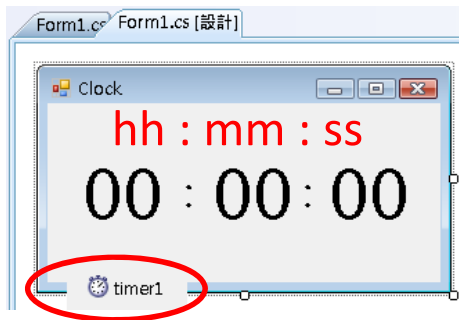
Roman Numerals

Clock Mortgage / Loan

BMI Scientific Notation

```
int n;
n = int.parse(textBox1.Text);
// 文字轉整數n
```

```
n = 36.5;
textBox1.Text = n.ToString();
// 整數n轉文字
```



按照下表，更改各控制項Text屬性
再按F5開始偵錯 (執行)

右按，選檢視程式碼，修改程式碼：

```
public partial class Form1 : Form
{
    int hh=23, mm=59, ss=50;

    public Form1()
    {
        InitializeComponent();
    }
    ... ..
}
```

	Text
form1	Clock
(label1) lbIHH	00
(label2) lbIMM	00
(label3) lbISS	00
label4	:
label5	:
timer1	Interval 500
	Enabled true

雙按 (timer1)，並加入以下程式碼：

```
private void timer1_Tick(object sender, EventArgs e)
{
    ss++;
    lblSS.Text = ss.ToString("00");
    if(ss>...) {...}
    if(mm>...) {...}
}
```

雙按表單 (Form1)，並加入以下程式碼：

```
private void Form1_Load(object sender, EventArgs e)
{
    hh = 23;
    mm = 59;
    ss = 50;
    lblHH.Text = hh.ToString("00");
    lblMM.Text = mm...
    lblSS.Text = ss...
}
```

NotifyIcon

通知



notifyIcon1	Icon =
button1	Text = "Hide" 隱藏

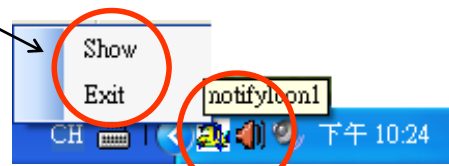
Hide();



ContextMenuStrip (右按選單)

contextMenuStrip1	Show
	Exit

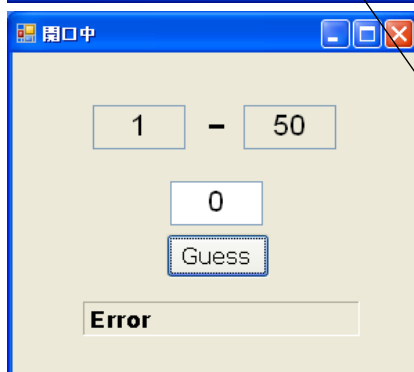
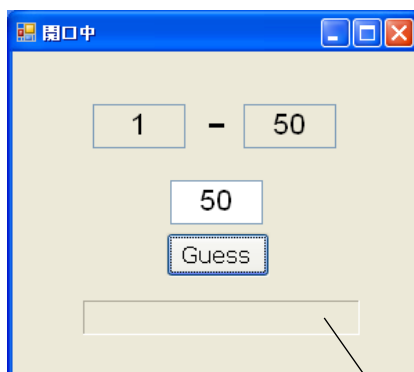
```
Show();
Application.Exit();
```



(右按)

notifyIcon1	contextMenuStrip1
button1	Text = "Hide"

開口中 Guessing game



form1	開口中
textBox1,2	min=1, max=100
label1	-
textBox3	guess
button1	Guess
label2	Error / 猜中了

label2

MinimumSize = 200
BorderStyle = Fixed3D

```

public int answer=0, min=1, max=100;

private void Form1_Load(object sender, EventArgs e)
{
    Random r = new Random();
    answer = r.Next(1,100);
    label2.Text = answer.ToString();
    label2.BorderStyle = BorderStyle.Fixed3D;
    textBox1.Text = min.ToString();
    textBox2.Text = max.ToString();
}

```

下一個隨機數
(1-100)

```

private void button1_Click(object sender, EventArgs e)
{
    int guess = int.Parse(textBox3.Text);
    label2.Text = "";
    if ( _____ ){
        label2.Text = "Error";
        return;
    }

    if ( _____ ) label2.Text = "猜中了";
    else if ( _____ )
    else _____

    textBox1.Text = min.ToString();
    textBox2.Text = max.ToString();
}

```

MTR運載行李條件

類別	L+W+H	L、W、H	重量wt	收費fare(\$)
0	少於1.7m 及	三邊皆少於1.3m 及	少於30kg	0
1	1.7–1.9m 及	三邊皆少於1.3m 及	少於30kg	\$1 / kg
2	體積 ≤ 1.084m ³ 及	三邊皆少於2.0m 及	少於80kg	\$2 / kg
3	體積 > 1.084m ³ 或	任何一邊大於2.0m 或	大於80kg	—

L

W

H

wt

V.C#2010

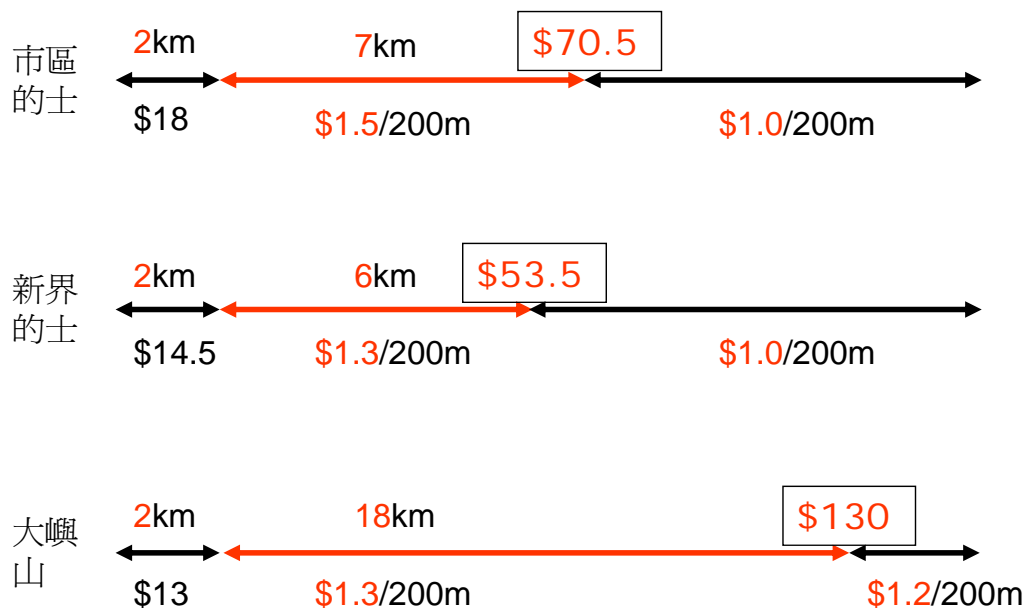
L + W + H = ?

收費fare(\$)=?

15

Taxi Fare

的士收費：短加長減



http://www.youtube.com/watch?v=bl1d-8YLP_g&list=PLQutejmQFO79RzW-llsnRI-ZNraiEI6jW

	的士	市區x1	新界x2	大嶼山x3
fare1	首2公里	\$18.0	\$14.5	\$13.0
fare2	每200m	\$1.5 (7km)	\$1.3 (6km)	\$1.3 (18km)
limit	車費多於	\$70.5	\$53.5	\$130.0
fare3	每200m	\$1.0	\$1.0	\$1.2

```
float dist=0; // 距離 km
double pay; // 應付 $
```

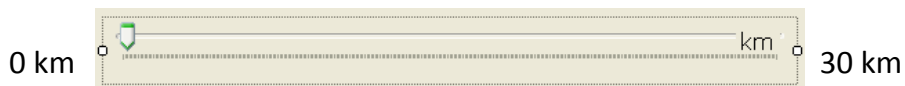
x1

```
do{
    dist += 0.2;
    if (dist<2.2) pay = 18;
    else if ( ) pay=
    else pay=
    printf ("dist=%5.1f, pay=%5.1f\n", pay);
}while (dist<10);
```

```
dist=0.2, pay=18.0
dist=0.4, pay=18.0
...
dist=1.8, pay=18.0
dist=2.0, pay=18.0
dist=2.2, pay=19.5
```

Visual C# 2010:

Taxi Fare



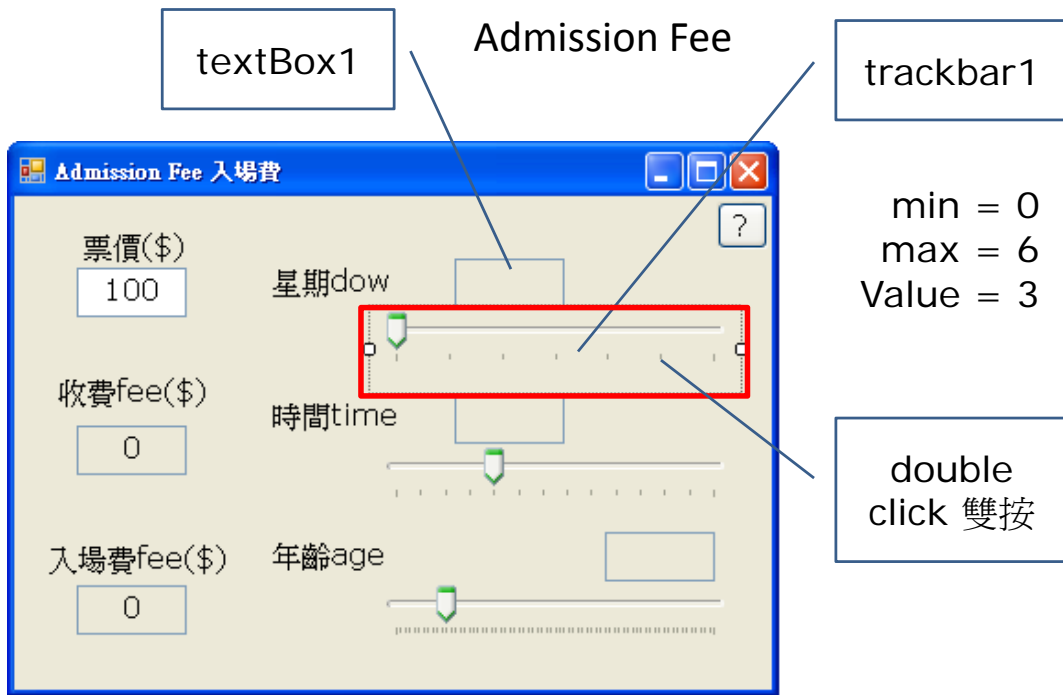
屬性

trackBar1 System.Windows.Forms.TrackBar

- LargeChange: 20
- Location: 39, 25
- Locked: False
- Margin: 3, 3, 3, 3
- Maximum: 300
- MaximumSize: 0, 0
- Minimum: 0
- MinimumSize: 0, 0
- Modifiers: Private
- Orientation: Horizontal
- RightToLeft: No
- RightToLeftLayout: False
- Size: 500, 45
- SmallChange: 10

trackBar1	Min=0
(0-30km)	Max=300
form1	Text=Taxi
pictureBox1	redtaxi.png
pictureBox2	greentaxi.png
pictureBox3	bluetaxi.png
	SizeMode: zoom
textBox1 (km)	2
textBox2	\$ 0 x1
textBox3	\$ 0 x2
textBox4	\$ 0 x3

double x1,x2,x3;



在 textBox1
顯示 trackbar1 的數值

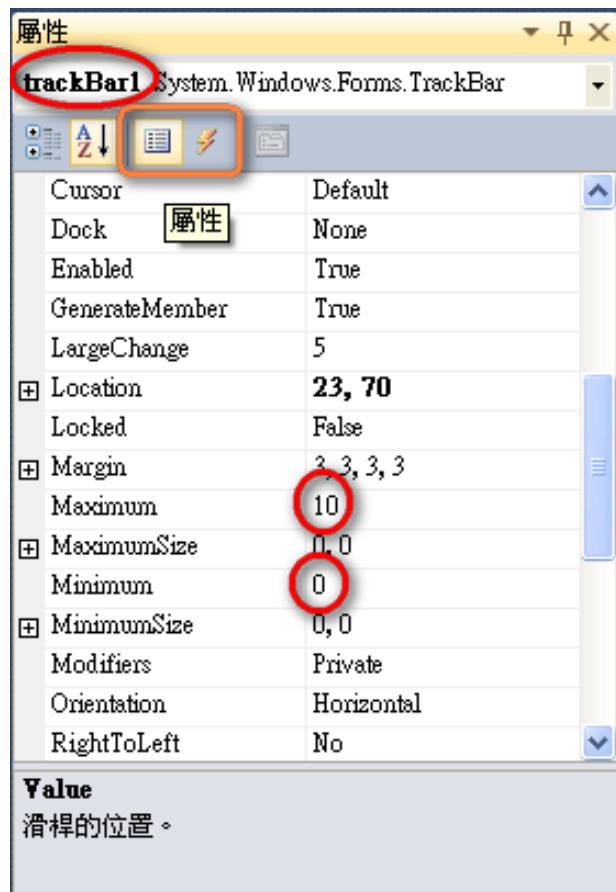
```
int d = trackbar1.Value;
textBox1.Text = d.ToString();
```



```
int d = trackbar1.Value;
textBox1.Text = d; // error 錯誤
textBox1.Text = d.ToString();
```

文字(Text)

數字(d)



Conditions of carriage of luggage

pictureBox1



PictureBox 工作
 選擇影像...
 調整大小模式: StretchImage
 停駐於父容器中

屬性

pictureBox1 System.Windows.Forms.PictureBox

ImageLocation	
InitialImage	System.Drawing.Bitmap
Location	38, 86
ImageLocation	False
ImageLocation	3, 3, 3, 3
ImageLocation	0, 0
ImageLocation	0, 0
ImageLocation	Private
Padding	0, 0, 0, 0
Size	114, 124
SizeMode	StretchImage
Tag	Normal
UseWaitCursor	StretchImage
Visible	AutoSize
WaitOnLoad	CenterImage
SizeMode	Zoom

控制 PictureBox 如何處理影像放置位置以及控制大小。

pictureBox1.Visible = true;
 pictureBox1.Visible = false;

d = trackbar1.Value/10.0;
 textBox1.Text
 = d.ToString("0.0");

VC#2010

21

DisplayStyle=Text

toolStrip1 (Dock=Top)

Back Forward url: http://www.google.com Go

btnBack btnForward txtURL btnGo image 匯入

webBrowser1 Dock=Fill

btnStop btnRefresh

lblStatus

>Loading ... / Done

toolStrip2 (Dock=Bottom)

toolStripProgressBar1

Alignment=Right

屬性

Form1 System.Windows.Forms.Form

(ApplicationSettings)	
(DataBinding)	屬性
(Name)	Form1
AcceptButton	btnGo



瀏覽器 Web Browser

VC#2010

Alignment=Right

22

btnGo.Focus();

Back Forward url: Go  

txtURL.SelectAll();

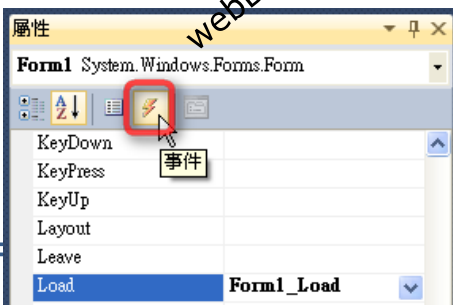
WebBrowser1.GoBack();

WebBrowser1.GoForward();

WebBrowser1.Navigate(txtURL.Text);

webBrowser1.Stop();

webBrowser1.Refresh();





Form1_Load:
this.Width = 1024;
this.Height = 768;

IblStatus

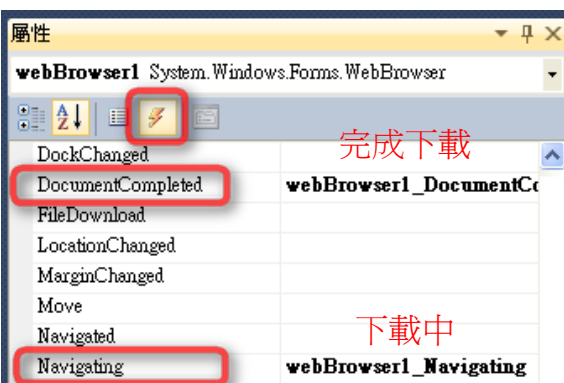
Loading ... / Done

toolStripProgressBar1

Form1: acceptButton

Back Forward url: Go  

autoCompleteMode: SuggestAppend
autoCompleteSource: HistoryList



webBrowser1_DocumentCompleted:
toolStripProgressBar1.Visible = false;
txtURL.Text = webBrowser1.Url.ToString();
IblStatus.Text = "Done";

webBrowser1_Navigating:
toolStripProgressBar1.Visible = true;
toolStripProgressBar1.PerformStep();
IblStatus.Text = "Loading ...";

IblStatus

min=0, max=100, value=0, step=10

Loading ... / Done

toolStripProgressBar1