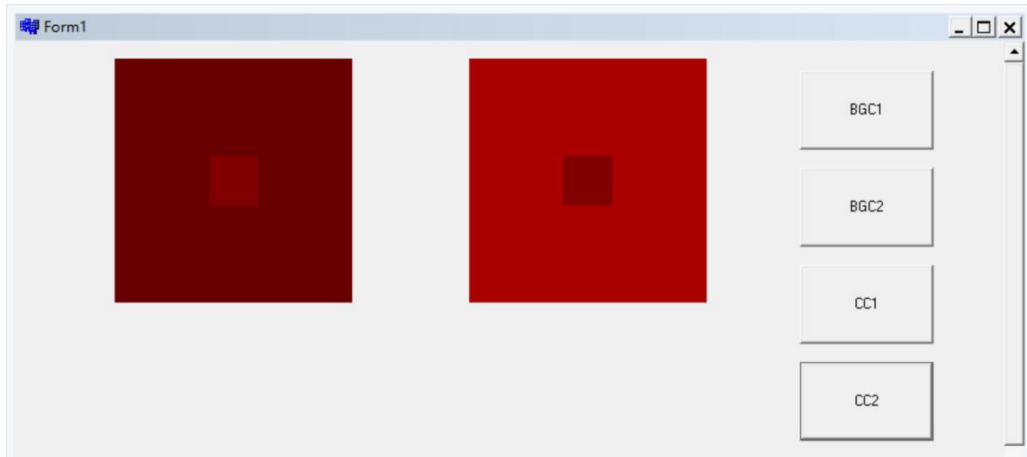


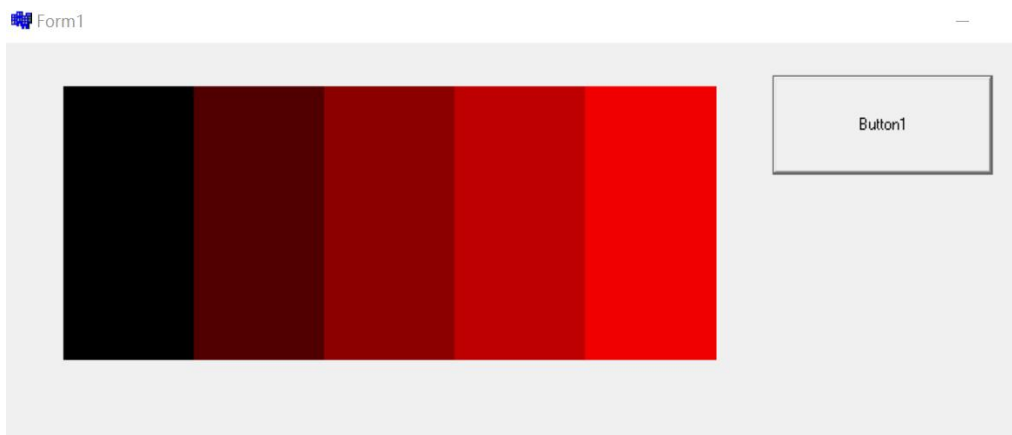
一、執行結果：

必做 1：



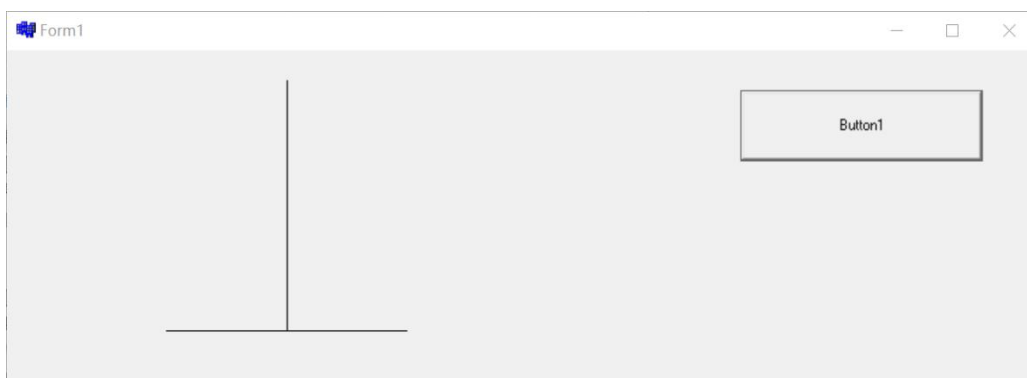
//-----

必做 2：



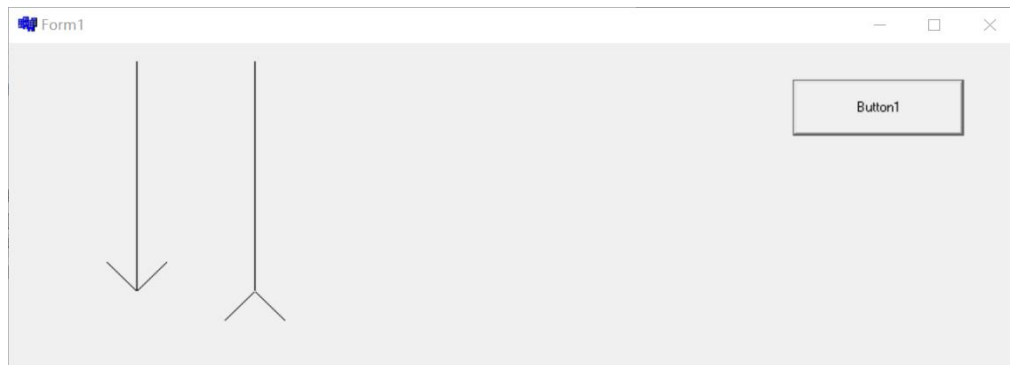
//-----

選做 1：



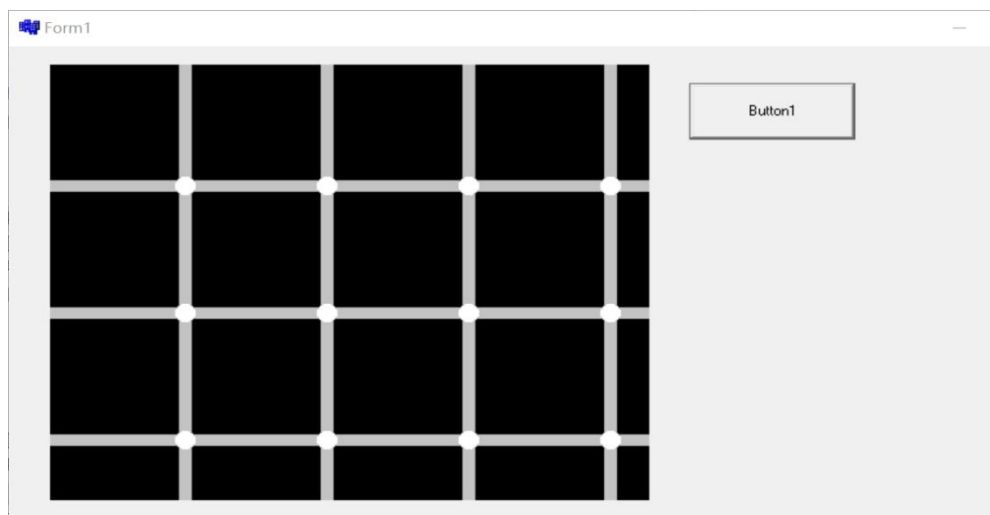
//-----

選做 2：



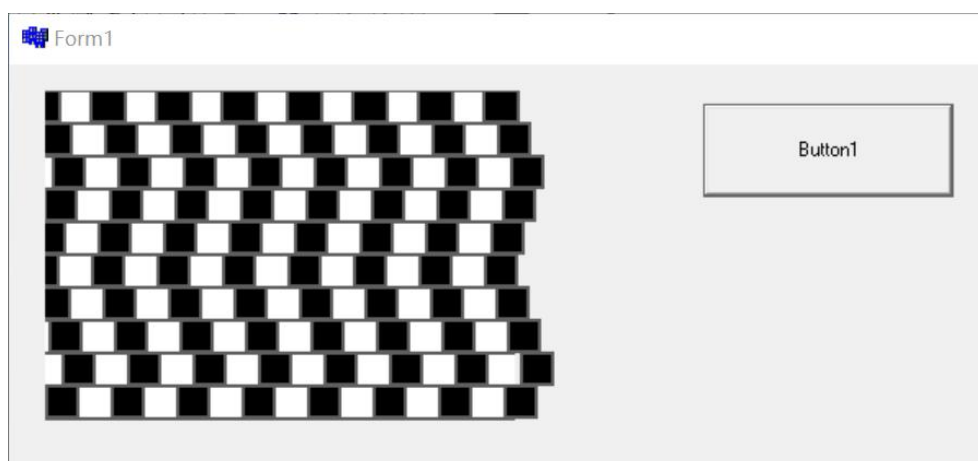
//-----

選做 3：



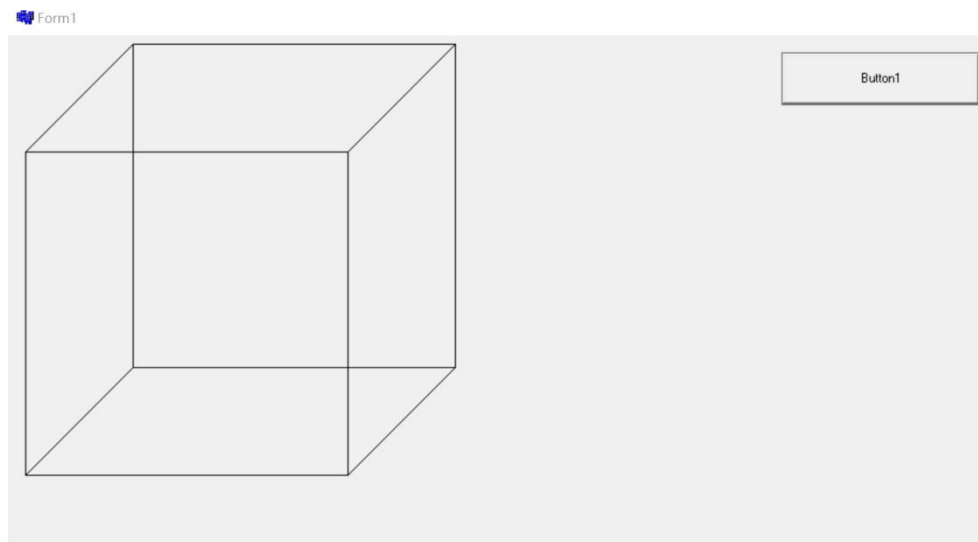
//-----

選做 4：



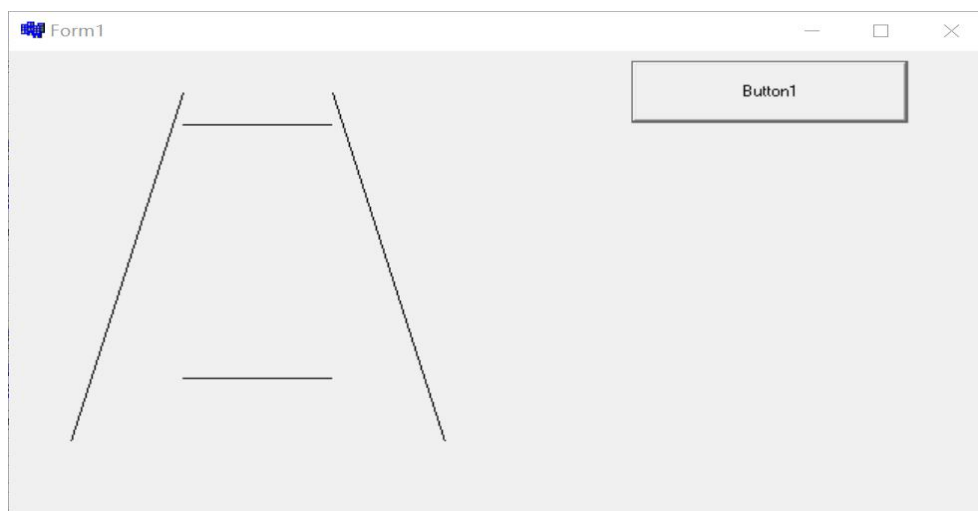
//-----

選做 5：



//-----

選做 6：



二、程式碼

必做 1：

//-----

```
__fastcall TForm1::TForm1(TComponent* Owner)  
    : TForm(Owner)
```

```

{
}
//-----

void __fastcall TForm1::BGC1Click(TObject *Sender)
{
for(int i=0;i<=200;i++)
{
for (int j=0;j<=200;j++)
{
PaintBox1->Canvas->Pixels[i][j]=105;
}
}
}
//-----

void __fastcall TForm1::BGC2Click(TObject *Sender)
{
for(int i=300;i<=500;i++)
{
for (int j=0;j<=200;j++)
{
PaintBox1->Canvas->Pixels[i][j]=169;
}
}
}
//-----

void __fastcall TForm1::CC1Click(TObject *Sender)
{
for(int i=80;i<=120;i++)
{
for (int j=80;j<=120;j++)
{
PaintBox1->Canvas->Pixels[i][j]=128;
}
}
}
//-----

void __fastcall TForm1::CC2Click(TObject *Sender)
{
for(int i=380;i<=420;i++)
{
for (int j=80;j<=120;j++)

```

```

    {
        PaintBox1->Canvas->Pixels[i][j]=128;
    }
}
}
//-----

```

必做 2：

```

//-----
__fastcall TForm1::TForm1(TComponent* Owner)
    : TForm(Owner)
{
}
//-----

```

```

void __fastcall TForm1::Button1Click(TObject *Sender)
{
    for(int i=0;i<=100;i++)
    {
        for (int j=0;j<=200;j++)
        {
            PaintBox1->Canvas->Pixels[i][j]=1;
        }
    }
}

```

```

for(int i=100;i<=200;i++)
{
    for (int j=0;j<=200;j++)
    {
        PaintBox1->Canvas->Pixels[i][j]=80;
    }
}

```

```

for(int i=200;i<=300;i++)
{
    for (int j=0;j<=200;j++)
    {
        PaintBox1->Canvas->Pixels[i][j]=140;
    }
}

```

```

for(int i=300;i<=400;i++)
{
    for (int j=0;j<=200;j++)
    {
        PaintBox1->Canvas->Pixels[i][j]=190;
    }
}

```

```

for(int i=400;i<=500;i++)
{
    for (int j=0;j<=200;j++)
    {
        PaintBox1->Canvas->Pixels[i][j]=240;
    }
}

```

```

}
//-----

```

選做 1：

```

//-----
__fastcall TForm1::TForm1(TComponent* Owner)
    : TForm(Owner)
{
}
//-----

```

```

void __fastcall TForm1::Button1Click(TObject *Sender)
{
    PaintBox1->Canvas->Pen->Color=0;
    PaintBox1->Canvas->MoveTo(200, 0);
    PaintBox1->Canvas->LineTo(200, 200);
    PaintBox1->Canvas->MoveTo(100, 200);
    PaintBox1->Canvas->LineTo(300, 200);
}
//-----

```

選做 2：

```

//-----

```

```

__fastcall TForm1::TForm1(TComponent* Owner)
    : TForm(Owner)
{
}
//-----

void __fastcall TForm1::Button1Click(TObject *Sender)
{
    PaintBox1->Canvas->Pen->Color=0;

    PaintBox1->Canvas->MoveTo(100, 0);
    PaintBox1->Canvas->LineTo(100, 200);
    PaintBox1->Canvas->MoveTo(75, 175);
    PaintBox1->Canvas->LineTo(100, 200);
    PaintBox1->Canvas->MoveTo(125, 175);
    PaintBox1->Canvas->LineTo(100, 200);

    PaintBox1->Canvas->MoveTo(200, 0);
    PaintBox1->Canvas->LineTo(200, 200);
    PaintBox1->Canvas->MoveTo(175, 225);
    PaintBox1->Canvas->LineTo(200, 200);
    PaintBox1->Canvas->MoveTo(225, 225);
    PaintBox1->Canvas->LineTo(200, 200);
}
//-----

```

選做 3：

```

//-----
__fastcall TForm1::TForm1(TComponent* Owner)
    : TForm(Owner)
{
}
//-----

void __fastcall TForm1::Button1Click(TObject *Sender)
{
    for(int i=0;i<=700;i++)
    {
        for (int j=0;j<=700;j++)
        {
            PaintBox1->Canvas->Pixels[i][j]=RGB(195, 195, 195);
        }
    }
}

```

```

    }

    PaintBox1->Canvas->Brush->Color=RGB(0, 0, 0);

    }
    for(int i=0;i<=5;i++)
    {
        PaintBox1->Canvas->Rectangle(0+i*110, 0, 100+i*110, 100);
    }
    for(int i=0;i<=5;i++)
    {
        PaintBox1->Canvas->Rectangle(0+i*110, 110, 100+i*110, 210);
    }
    for(int i=0;i<=5;i++)
    {
        PaintBox1->Canvas->Rectangle(0+i*110, 220, 100+i*110, 320);
    }
    for(int i=0;i<=5;i++)
    {
        PaintBox1->Canvas->Rectangle(0+i*110, 330, 100+i*110, 430);
    }
    PaintBox1->Canvas->Pen->Color=RGB(255, 255, 255);
    PaintBox1->Canvas->Brush->Color=RGB(255, 255, 255);
    for(int i=0;i<=4;i++)
    {
        PaintBox1->Canvas->Ellipse(97+i*110, 97, 113+i*110, 113);
    }
    for(int i=0;i<=4;i++)
    {
        PaintBox1->Canvas->Ellipse(97+i*110, 207, 113+i*110, 223);
    }
    for(int i=0;i<=4;i++)
    {
        PaintBox1->Canvas->Ellipse(97+i*110, 317, 113+i*110, 333);
    }
    for(int i=0;i<=4;i++)
    {
        PaintBox1->Canvas->Ellipse(97+i*110, 427, 113+i*110, 443);
    }
    }
    }
    //-----

```

選做 4：


```

//-----
__fastcall TForm1::TForm1(TComponent* Owner)
    : TForm(Owner)
{
}
//-----
void __fastcall TForm1::Button1Click(TObject *Sender)
{
for(int i=0;i<=300;i++)
{
    for (int j=0;j<=200;j++)
    {
        PaintBox1->Canvas->Pixels[i][j]=RGB(255, 255, 255);
    }
}
PaintBox1->Canvas->Pen->Color=RGB(95, 95, 95);
PaintBox1->Canvas->Brush->Color=0;
PaintBox1->Canvas->Pen->Width = 2;
for(int i=0;i<8;i++)
{
    PaintBox1->Canvas->Rectangle(2+i*40, 0, 24+i*40, 20);
}
for(int i=0;i<8;i++)
{
    PaintBox1->Canvas->Rectangle(11+i*40, 20, 31+i*40, 40);
}
for(int i=0;i<8;i++)
{
    PaintBox1->Canvas->Rectangle(19+i*40, 40, 39+i*40, 60);
}
for(int i=0;i<8;i++)
{
    PaintBox1->Canvas->Rectangle(14+i*40, 60, 34+i*40, 80);
}
for(int i=0;i<8;i++)
{
    PaintBox1->Canvas->Rectangle(7+i*40, 80, 27+i*40, 100);
}
for(int i=0;i<8;i++)
{
    PaintBox1->Canvas->Rectangle(3+i*40, 100, 23+i*40, 120);
}
for(int i=0;i<8;i++)
{

```

```

    PaintBox1->Canvas->Rectangle(10+i*40, 120, 30+i*40, 140);
}
for(int i=0;i<8;i++)
{
    PaintBox1->Canvas->Rectangle(17+i*40, 140, 37+i*40, 160);
}
for(int i=0;i<8;i++)
{
    PaintBox1->Canvas->Rectangle(25+i*40, 160, 45+i*40, 180);
}
for(int i=0;i<8;i++)
{
    PaintBox1->Canvas->Rectangle(15+i*40, 180, 35+i*40, 200);
}

```

```

PaintBox1->Canvas->Pen->Color=RGB(95, 95, 95);
PaintBox1->Canvas->Pen->Width = 2;
PaintBox1->Canvas->MoveTo(0, 0);
PaintBox1->Canvas->LineTo(300, 0);
PaintBox1->Canvas->MoveTo(0, 20);
PaintBox1->Canvas->LineTo(300, 20);
PaintBox1->Canvas->MoveTo(0, 40);
PaintBox1->Canvas->LineTo(300, 40);
PaintBox1->Canvas->MoveTo(0, 60);
PaintBox1->Canvas->LineTo(300, 60);
PaintBox1->Canvas->MoveTo(0, 80);
PaintBox1->Canvas->LineTo(300, 80);
PaintBox1->Canvas->MoveTo(0, 100);
PaintBox1->Canvas->LineTo(300, 100);
PaintBox1->Canvas->MoveTo(0, 120);
PaintBox1->Canvas->LineTo(300, 120);
PaintBox1->Canvas->MoveTo(0, 140);
PaintBox1->Canvas->LineTo(300, 140);
PaintBox1->Canvas->MoveTo(0, 160);
PaintBox1->Canvas->LineTo(300, 160);
PaintBox1->Canvas->MoveTo(0, 180);
PaintBox1->Canvas->LineTo(300, 180);
PaintBox1->Canvas->MoveTo(0, 200);
PaintBox1->Canvas->LineTo(300, 200);
}
//-----

```

選做 3：

```
//-----
__fastcall TForm1::TForm1(TComponent* Owner)
    : TForm(Owner)
{
}
//-----

void __fastcall TForm1::Button1Click(TObject *Sender)
{
    PaintBox1->Canvas->MoveTo(100, 0);
    PaintBox1->Canvas->LineTo(0, 100);
    PaintBox1->Canvas->LineTo(0, 100);
    PaintBox1->Canvas->LineTo(0, 400);
    PaintBox1->Canvas->LineTo(300, 400);
    PaintBox1->Canvas->LineTo(400, 300);
    PaintBox1->Canvas->LineTo(400, 0);
    PaintBox1->Canvas->LineTo(300, 100);
    PaintBox1->Canvas->LineTo(0, 100);
    PaintBox1->Canvas->MoveTo(0, 400);
    PaintBox1->Canvas->LineTo(100, 300);
    PaintBox1->Canvas->LineTo(100, 0);
    PaintBox1->Canvas->MoveTo(100, 0);
    PaintBox1->Canvas->LineTo(400, 0);
    PaintBox1->Canvas->MoveTo(100, 300);
    PaintBox1->Canvas->LineTo(400, 300);
    PaintBox1->Canvas->MoveTo(300, 100);
    PaintBox1->Canvas->LineTo(300, 400);
}
//-----
```

選做 5：

```
//-----
__fastcall TForm1::TForm1(TComponent* Owner)
    : TForm(Owner)
{
}
//-----

void __fastcall TForm1::Button1Click(TObject *Sender)
{
    PaintBox1->Canvas->MoveTo(100, 50);
    PaintBox1->Canvas->LineTo(200, 50); //長度 100
    PaintBox1->Canvas->MoveTo(100, 250);
```

```
PaintBox1->Canvas->LineTo(200, 250); //長度 100
```

```
PaintBox1->Canvas->MoveTo(100, 25);
```

```
PaintBox1->Canvas->LineTo(25, 300);
```

```
PaintBox1->Canvas->MoveTo(200, 25);
```

```
PaintBox1->Canvas->LineTo(275, 300);
```

```
}
```

```
//-----
```