ST. XAVIER'S COLLEGE

**(Affiliated to Tribhuvan University)**

Maitighar, Kathmandu



**COMPUTER GRAPHICS**

**LAB ASSIGNMENT # 1**

**SUBMITTED BY:**

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**SUBMITTED TO:**

|  |  |
| --- | --- |
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Source code:

//---------------------------------------------------------------------------

#include <vcl\vcl.h>

#pragma hdrstop

#include "Unit1.h"

//---------------------------------------------------------------------------

#pragma resource "\*.dfm"

TForm1 \*Form1;

//---------------------------------------------------------------------------

\_\_fastcall TForm1::TForm1(TComponent\* Owner)

: TForm(Owner)

{

}

//---------------------------------------------------------------------------

void \_\_fastcall TForm1::Button1Click(TObject \*Sender)

{

// to draw rectangle

Form1->Canvas->Pen->Width=3;

Form1->Canvas->Brush->Color=clGreen;

Form1->Canvas->Rectangle(10,10,200,200);

// to draw line

Form1->Canvas->MoveTo(10,10);

Form1->Canvas->LineTo(200,10);

Form1->Canvas->MoveTo(10,57.5);

Form1->Canvas->LineTo(200,57.5);

Form1->Canvas->MoveTo(10,105);

Form1->Canvas->LineTo(200,105);

Form1->Canvas->MoveTo(10,152.5);

Form1->Canvas->LineTo(200,152.5);

Form1->Canvas->MoveTo(10,200);

Form1->Canvas->LineTo(200,200);

Form1->Canvas->MoveTo(47.5,10);

Form1->Canvas->LineTo(47.5,200);

Form1->Canvas->MoveTo(105,10);

Form1->Canvas->LineTo(105,200);

Form1->Canvas->MoveTo(152.5,10);

Form1->Canvas->LineTo(152.5,200);

Form1->Canvas->MoveTo(10,10);

Form1->Canvas->LineTo(200,200);

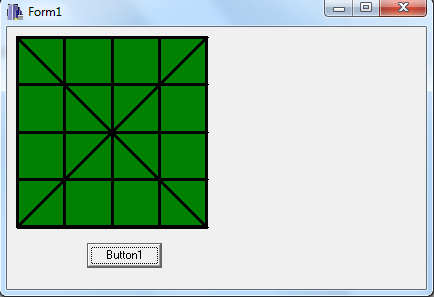
Form1->Canvas->MoveTo(200,10);

Form1->Canvas->LineTo(10,200);

}

//---------------------------------------------------------------------------

Output:



Conclusion :

Hence the checkbox is made using C++ Builder.