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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**Date of Submission:** 4th August 2015

**STATEMENT:**

**A PROGRAM TO DRAW CHECK BOX**

**SOURCE CODE:**

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

#include <vcl\vcl.h>

#pragma hdrstop

#include "SC2.h"

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

#pragma resource "\*.dfm"

TForm1 \*Form1;

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

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

: TForm(Owner)

{

}

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

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

{

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

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

Form1->Canvas->Rectangle(10,10,210,210);

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

Form1->Canvas->LineTo(210,210);

Form1->Canvas->MoveTo(210,10);

Form1->Canvas->LineTo(10,210);

Form1->Canvas->MoveTo(10,110);

Form1->Canvas->LineTo(210,110);

Form1->Canvas->MoveTo(110,10);

Form1->Canvas->LineTo(110,210);

Form1->Canvas->MoveTo(10,60);

Form1->Canvas->LineTo(210,60);

Form1->Canvas->MoveTo(10,160);

Form1->Canvas->LineTo(210,160);

Form1->Canvas->MoveTo(60,10);

Form1->Canvas->LineTo(60,210);

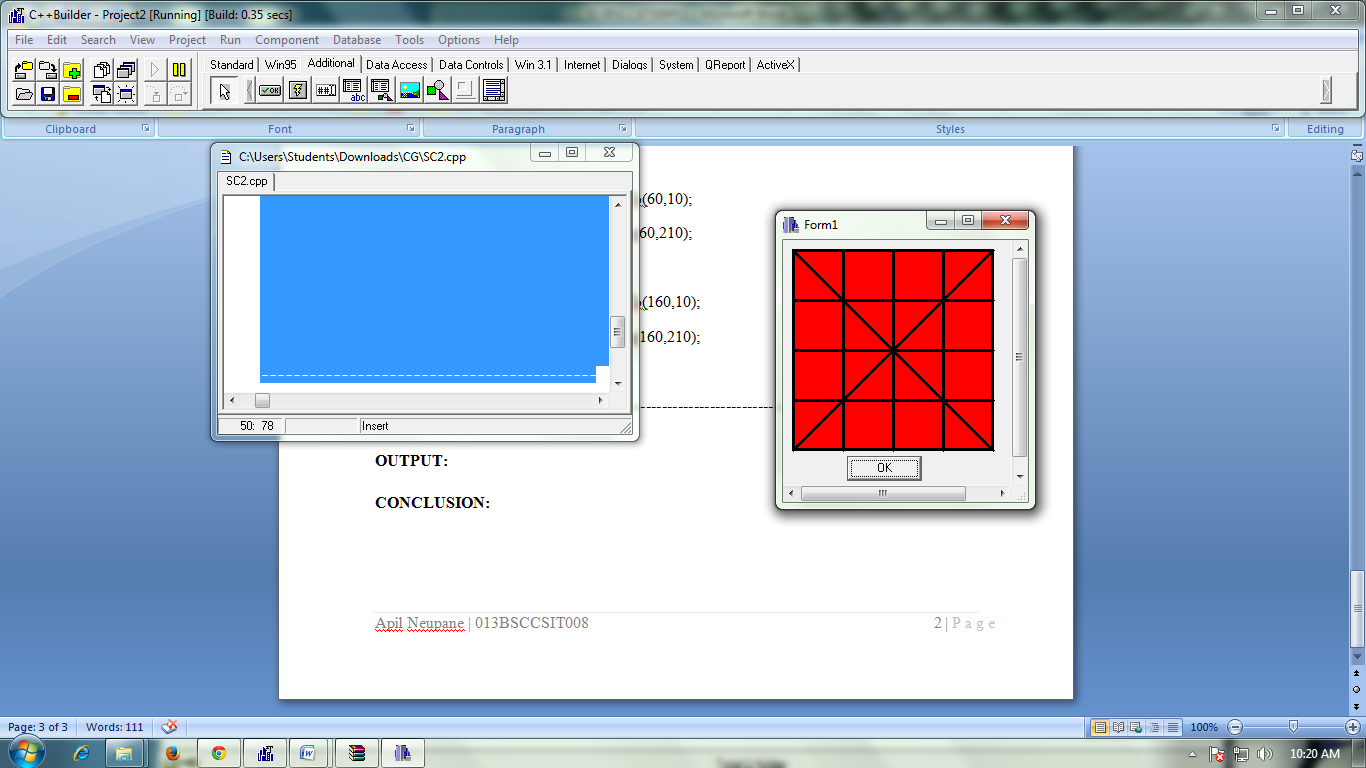
Form1->Canvas->MoveTo(160,10);

Form1->Canvas->LineTo(160,210);

}

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

**OUTPUT:**

****

**CONCLUSION:**

Here, we build a simple rectangle and the plotted it with the help of different lines by calculating the coordinates and finally check box was formed.

Thus, checkbox was drawn using C++ Builder..