ST. XAVIER’S COLLEGE

**(Affiliated to Tribhuvan University)**

**Maitighar, Kathmandu**

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**Computer Graphics**

**Lab Assignment #1**

**Drawing a checkbox in C++ Builder**

**SUBMITTED BY:**

Victor Kumar Sapkota

013BSCCSIT047

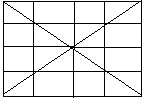
Sem IV

**SUBMITTED TO**

|  |  |
| --- | --- |
| **Er. Anil K. Sah**  **(Lecturer)** |  |
| **Department of Computer Science** | |

**Date of submission: August 04, 2015**

**STATEMENT: DRAW THE FOLLOWING CHECKBOX IN C++ BUILDER**

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**SOURCE CODE:**

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

#include <vcl.h>

#pragma hdrstop

#include "Unit1.h"

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

#pragma package(smart\_init)

#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->MoveTo(10,10);

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

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

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

Form1->Canvas->Pen->Width=2;

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

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

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

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

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

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

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

Form1->Canvas->MoveTo(53,10);

Form1->Canvas->LineTo(53,200);

Form1->Canvas->MoveTo(153,10);

Form1->Canvas->LineTo(153,200);

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

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

Form1->Canvas->MoveTo(10,55);

Form1->Canvas->LineTo(200,55);

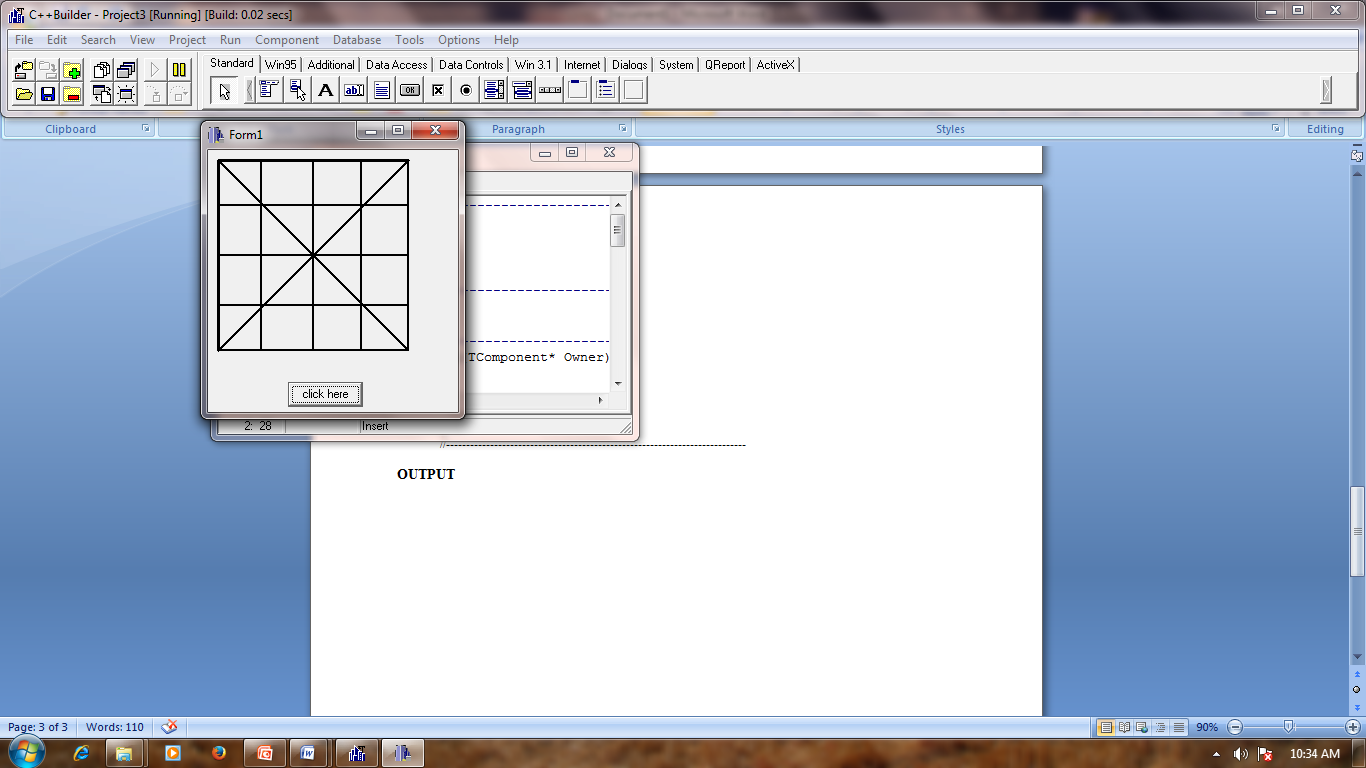
Form1->Canvas->MoveTo(10,155);

Form1->Canvas->LineTo(200,155);

}

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

**OUTPUT**

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**CONCLUSION:**

We can conclude that the use of C++ Builder to utilize the applications of various computer graphics applications is highly effective and efficient for learning purposes for beginners.

**REFERENCE:**

* <http://www.embarcadero.com/products/cbuilder/resource-center>