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

#include <vcl.h>

#pragma hdrstop

#include "Unit1.h"

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

#pragma package(smart\_init)

#pragma resource "\*.dfm"

int x,y,xc,yc,xk,yk,p,r;

void drawcircle();

TForm1 \*Form1;

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

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

: TForm(Owner)

{

}

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

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

{

r=StrToInt(Edit1->Text);

xc=StrToInt(Edit2->Text);

yc=StrToInt(Edit3->Text);

x=0;

y=r;

p=1-r;

do

{

if (p<0)

{

x=x+1;

y=y;

drawcircle();

p= p + 2\*x + 1;

}

else

{

x=x+1;

y=y-1;

drawcircle();

p=p+2\*x-2\*y+1;

}

}while(x<=y);

void drawcircle();

}

void drawcircle()

{

Form1->Image1->Canvas->Pixels[xc+x][yc+y]=RGB(115,120,100);

Form1->Image1->Canvas->Pixels[xc+x][yc-y]=RGB(200,250,100);

Form1->Image1->Canvas->Pixels[xc-x][yc-y]=RGB(100,110,120);

Form1->Image1->Canvas->Pixels[xc-x][yc+y]=RGB(210,250,130);

Form1->Image1->Canvas->Pixels[xc+y][yc+x]=RGB(250,250,250);

Form1->Image1->Canvas->Pixels[xc+y][yc-x]=RGB(100,111,000);

Form1->Image1->Canvas->Pixels[xc-y][yc-x]=RGB(115,000,100);

Form1->Image1->Canvas->Pixels[xc-y][yc+x]=RGB(000,250,100);

}

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

