**ST. XAVIER’S COLLEGE**

**(Affiliated to Tribhuvan University)**

Maitighar, Kathmandu



**Computer Graphics**

**Lab Assignment #2**

**Submitted by:**

Narayan Panthi  
013BSCCSIT024

**Submitted to:**

**Er. Anil Sah**

Lecturer

St. Xavier’s College

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**SOURCE CODE:**

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| --- |
| #include <vcl\vcl.h>  #pragma hdrstop  #include "cal.h"  //---------------------------------------------------------------------------  #pragma resource "\*.dfm"  TForm1 \*Form1;  int x,y,z;  int flag =0;  int oper;  //---------------------------------------------------------------------------  \_\_fastcall TForm1::TForm1(TComponent\* Owner)  : TForm(Owner)  {  }  int setvalue(int a)  {  if(flag==0)  {  x=a;  flag=1;  return x;  }  else  {  y=a;  flag==0;  return y;  }  }  //---------------------------------------------------------------------------  void \_\_fastcall TForm1::Button1Click(TObject \*Sender)  {  Edit1->Text=setvalue(1);  }  //---------------------------------------------------------------------------  void \_\_fastcall TForm1::Button2Click(TObject \*Sender)  {  Edit1->Text=setvalue(2);  }  //---------------------------------------------------------------------------  void \_\_fastcall TForm1::Button3Click(TObject \*Sender)  {  Edit1->Text=setvalue(3);  }  //---------------------------------------------------------------------------  void \_\_fastcall TForm1::Button5Click(TObject \*Sender)  {  Edit1->Text=setvalue(4);  }  //---------------------------------------------------------------------------  void \_\_fastcall TForm1::Button6Click(TObject \*Sender)  {  Edit1->Text=setvalue(5);  }  //---------------------------------------------------------------------------  void \_\_fastcall TForm1::Button7Click(TObject \*Sender)  {  Edit1->Text=setvalue(6);  }  //---------------------------------------------------------------------------  void \_\_fastcall TForm1::Button9Click(TObject \*Sender)  {  Edit1->Text=setvalue(7);  }  //---------------------------------------------------------------------------  void \_\_fastcall TForm1::Button10Click(TObject \*Sender)  {  Edit1->Text=setvalue(8);  }  //---------------------------------------------------------------------------  void \_\_fastcall TForm1::Button11Click(TObject \*Sender)  {  Edit1->Text=setvalue(9);  }  //---------------------------------------------------------------------------  void \_\_fastcall TForm1::Button13Click(TObject \*Sender)  {  Edit1->Text=setvalue(0);  }  //---------------------------------------------------------------------------  void \_\_fastcall TForm1::Button15Click(TObject \*Sender)  {  switch(oper)  {  case 1:  z=x/y;  break;  case 2:  z=x\*y;  break;  case 3:  z=x+y;  break;  case 4:  z=x-y;  break;  }  Edit1->Text=z;    }  //---------------------------------------------------------------------------  void \_\_fastcall TForm1::Button4Click(TObject \*Sender)  {  oper=3;  }  //---------------------------------------------------------------------------  void \_\_fastcall TForm1::Button8Click(TObject \*Sender)  {  oper=4;  }  //---------------------------------------------------------------------------  void \_\_fastcall TForm1::Button12Click(TObject \*Sender)  {  oper=2;  }  //---------------------------------------------------------------------------  void \_\_fastcall TForm1::Button16Click(TObject \*Sender)  {  oper=1;  } |

OUTPUT:

