

ФЕДЕРАЛЬНОЕ АГЕНТСТВО ОБРАЗОВАНИЯ  
ДИМИТРОВГРАДСКИЙ ИНСТИТУТ ТЕХНОЛОГИЙ,  
УПРАВЛЕНИЯ И ДИЗАЙНА

Лабораторная работа №2  
По курсу: "Базы данных"  
Вариант №5

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## Задание

С помощью Database Desktop создать базу данных типа Paradox 7, содержащую оговоренные данные. БД должна находиться минимум в третьей нормальной форме. Физическое расположение таблиц БД – строго оговоренный рабочий каталог.

Спроектировать приложение при помощи Delphi или Builder, которое позволит выводить БД на экран в читаемом виде, добавление новых записей в таблицы, редактирование и удаление без помощи стандартного DBNavigator. Реализовать возможность вывода любой таблицы на печать при помощи стандартных компонентов – отчетов.

После выполнения работы необходимо предоставить отчет, в котором должен быть описан порядок выполнения работы с пояснениями.

## Проектирование БД

Содержание таблиц можно посмотреть с помощью соответствующих утилит.

### Издатели (IZDATELI.db)

Код издательства /\* РК \*/  
 Название издательства  
 Адрес издательства (город)

### Авторы (Avtori.db)

Код автора /\* РК \*/  
 Фамилия  
 Имя  
 Отчество  
 Контактный телефон  
 Адрес автора (город)  
 ИНН  
 Контракт (есть, нет)

### Названия (NAME.db)

Код названия /\* РК \*/  
 Название книги  
 Тематика книги  
 Код издательства /\* FK \*/  
 Цена  
 Авторский гонорар (% от цены)  
 Дата издания

### Названия и авторы (NAMEAVT.db)

Код автора /\* FK \*/  
 Код названия /\* FK \*/  
 Порядковый номер автора

## Реализация алгоритма на DELPHI

```
UNIT UNIT1;

INTERFACE

USES
  WINDOWS, MESSAGES, SYSUTILS, VARIANTS, CLASSES, GRAPHICS, CONTROLS, FORMS,
  DIALOGS, COMCTRLS, DB, ADODB, STDCTRLS, GRIDS, DBGRIDS, FRXCLASS,
  FRXDBSET;

TYPE
  TForm1 = CLASS(TForm)
    GROUPBOX1: TGROUPBOX;
    ADOTABLE1: TADOTABLE;
    PAGECONTROL1: TPAGECONTROL;
    TABSHEET1: TTABSHEET;
    TABSHEET2: TTABSHEET;
    TABSHEET3: TTABSHEET;
    DBGRID1: TDBGRID;
    LABEL1: TLabel;
    LABEL2: TLabel;
    DBGRID2: TDBGRID;
    DBGRID3: TDBGRID;
    DBGRID4: TDBGRID;
    LABEL3: TLabel;
    LABEL4: TLabel;
    BUTTON2: TBUTTON;
    LABEL5: TLabel;
    EDIT1: TEDIT;
    BUTTON5: TBUTTON;
    PAGECONTROL2: TPAGECONTROL;
    TABSHEET4: TTABSHEET;
    TABSHEET5: TTABSHEET;
    TABSHEET6: TTABSHEET;
    TABSHEET7: TTABSHEET;
    ADOTABLE2: TADOTABLE;
    ADOTABLE3: TADOTABLE;
    ADOTABLE4: TADOTABLE;
    DATASOURCE1: TDATASOURCE;
    DATASOURCE2: TDATASOURCE;
    DATASOURCE3: TDATASOURCE;
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DATASOURCE4: TDATASOURCE;
FRXDBDATASET1: TFRXDBDATASET;
ADOQUERY1: TADOQUERY;
ADOCONNECTION1: TADOCONNECTION;
LABEL6: TLabel;
EDIT2: TEDIT;
LABEL7: TLabel;
LABEL8: TLabel;
LABEL9: TLabel;
LABEL10: TLabel;
LABEL11: TLabel;
LABEL12: TLabel;
BUTTON1: TBUTTON;
COMBOBOX1: TCOMBOBOX;
EDIT3: TEDIT;
EDIT4: TEDIT;
EDIT5: TEDIT;
EDIT6: TEDIT;
EDIT7: TEDIT;
LABEL13: TLabel;
COMBOBOX2: TCOMBOBOX;
BUTTON3: TBUTTON;
LABEL14: TLabel;
EDIT8: TEDIT;
LABEL15: TLabel;
EDIT9: TEDIT;
BUTTON4: TBUTTON;
LABEL16: TLabel;
COMBOBOX3: TCOMBOBOX;
BUTTON6: TBUTTON;
LABEL17: TLabel;
LABEL18: TLabel;
LABEL19: TLabel;
LABEL20: TLabel;
LABEL21: TLabel;
LABEL22: TLabel;
COMBOBOX4: TCOMBOBOX;
EDIT10: TEDIT;
EDIT11: TEDIT;
EDIT12: TEDIT;
EDIT13: TEDIT;
EDIT14: TEDIT;
BUTTON7: TBUTTON;
LABEL23: TLabel;
COMBOBOX5: TCOMBOBOX;
BUTTON8: TBUTTON;
LABEL24: TLabel;
LABEL25: TLabel;
COMBOBOX6: TCOMBOBOX;
COMBOBOX7: TCOMBOBOX;
BUTTON9: TBUTTON;
ADOQUERY2: TADOQUERY;
ADOQUERY3: TADOQUERY;
ADOQUERY4: TADOQUERY;
ADOQUERY5: TADOQUERY;
ADOQUERY6: TADOQUERY;
FRXREPORT1: TFRXREPORT;
TABSHHEET8: TTABSHHEET;
DBGRID5: TDBGRID;
DBGRID6: TDBGRID;
DBGRID7: TDBGRID;
DBGRID8: TDBGRID;
LABEL26: TLabel;
LABEL27: TLabel;
LABEL28: TLabel;
LABEL29: TLabel;
DATASOURCE5: TDATASOURCE;
DATASOURCE6: TDATASOURCE;
DATASOURCE7: TDATASOURCE;
DATASOURCE8: TDATASOURCE;
ADOTABLE5: TADOTABLE;
ADOTABLE6: TADOTABLE;
ADOTABLE7: TADOTABLE;
ADOTABLE8: TADOTABLE;
PROCEDURE BUTTON5CLICK(SENDER: TObject);
PROCEDURE BUTTON2CLICK(SENDER: TObject);
PROCEDURE BUTTON1CLICK(SENDER: TObject);
PROCEDURE BUTTON3CLICK(SENDER: TObject);
PROCEDURE COMBOBOX2ENTER(SENDER: TObject);
PROCEDURE BUTTON4CLICK(SENDER: TObject);
PROCEDURE COMBOBOX3ENTER(SENDER: TObject);
PROCEDURE BUTTON6CLICK(SENDER: TObject);
PROCEDURE COMBOBOX4ENTER(SENDER: TObject);
PROCEDURE COMBOBOX5ENTER(SENDER: TObject);
PROCEDURE BUTTON7CLICK(SENDER: TObject);
PROCEDURE BUTTON8CLICK(SENDER: TObject);
PROCEDURE COMBOBOX6ENTER(SENDER: TObject);
PROCEDURE COMBOBOX7ENTER(SENDER: TObject);
PROCEDURE FORMCREATE(SENDER: TObject);
PUBLIC
PROCEDURE COMBO(Q: TADOQUERY; C: TCOMBOBOX; S: ANSISTRING; S1: ANSISTRING);
PROCEDURE REFRESH;
END;

VAR
FORM1: TForm1;

IMPLEMENTATION

{$R *.DFM}
//////////OBNOVLENIE//////////
PROCEDURE TForm1.REFRESH;
BEGIN
FORM1.ADOTABLE1.ACTIVE:=FALSE;
FORM1.ADOTABLE2.ACTIVE:=FALSE;
FORM1.ADOTABLE3.ACTIVE:=FALSE;
FORM1.ADOTABLE4.ACTIVE:=FALSE;
FORM1.ADOTABLE5.ACTIVE:=FALSE;
FORM1.ADOTABLE6.ACTIVE:=FALSE;
FORM1.ADOTABLE7.ACTIVE:=FALSE;
FORM1.ADOTABLE8.ACTIVE:=FALSE;

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FORM1.ADOTABLE1.ACTIVE:=TRUE;
FORM1.ADOTABLE2.ACTIVE:=TRUE;
FORM1.ADOTABLE3.ACTIVE:=TRUE;
FORM1.ADOTABLE4.ACTIVE:=TRUE;
FORM1.ADOTABLE5.ACTIVE:=TRUE;
FORM1.ADOTABLE6.ACTIVE:=TRUE;
FORM1.ADOTABLE7.ACTIVE:=TRUE;
FORM1.ADOTABLE8.ACTIVE:=TRUE;
END;
////////////////////////////////////
////////////////////////////////////SOEDINENIE S BD////////////////////////////////////
////////////////////////////////////
PROCEDURE TForm1.BUTTON5CLICK(SENDER: TObject);
BEGIN
TRY
IF EDIT1.TEXT='' THEN EXIT;
FORM1.ADOCONNECTION1.CONNECTED:=FALSE;
FORM1.ADOCONNECTION1.PROVIDER:='MSDASQL.1';
FORM1.ADOCONNECTION1.CONNECTIONSTRING:=
'PROVIDER=MSDASQL.1;PERSIST SECURITY INFO=FALSE;DATA SOURCE='+EDIT1.TEXT;
FORM1.ADOCONNECTION1.CONNECTED:=TRUE;
FORM1.ADOTABLE1.TABLERNAME:='NAMEAVT';
FORM1.ADOTABLE2.TABLERNAME:='AVTORI';
FORM1.ADOTABLE3.TABLERNAME:='NAME';
FORM1.ADOTABLE4.TABLERNAME:='IZDATELI';
TRY
FORM1.ADOTABLE1.ACTIVE:=TRUE;
FORM1.ADOTABLE2.ACTIVE:=TRUE;
FORM1.ADOTABLE3.ACTIVE:=TRUE;
FORM1.ADOTABLE4.ACTIVE:=TRUE;
FORM1.ADOTABLE5.ACTIVE:=TRUE;
FORM1.ADOTABLE6.ACTIVE:=TRUE;
FORM1.ADOTABLE7.ACTIVE:=TRUE;
FORM1.ADOTABLE8.ACTIVE:=TRUE;
////////////////////////////////////
BUTTON1.ENABLED:=TRUE;
BUTTON2.ENABLED:=TRUE;
BUTTON3.ENABLED:=TRUE;
BUTTON4.ENABLED:=TRUE;
BUTTON6.ENABLED:=TRUE;
BUTTON7.ENABLED:=TRUE;
BUTTON8.ENABLED:=TRUE;
BUTTON9.ENABLED:=TRUE;
COMBOBOX1.ENABLED:=TRUE;
COMBOBOX2.ENABLED:=TRUE;
COMBOBOX3.ENABLED:=TRUE;
COMBOBOX4.ENABLED:=TRUE;
COMBOBOX5.ENABLED:=TRUE;
COMBOBOX6.ENABLED:=TRUE;
COMBOBOX7.ENABLED:=TRUE;
EXCEPT END;
EXCEPT
SHOWMESSAGE('NE MOGU SOEDINITSA S BD!');
BUTTON1.ENABLED:=FALSE;
BUTTON2.ENABLED:=FALSE;
BUTTON3.ENABLED:=FALSE;
BUTTON4.ENABLED:=FALSE;
BUTTON6.ENABLED:=FALSE;
BUTTON7.ENABLED:=FALSE;
BUTTON8.ENABLED:=FALSE;
BUTTON9.ENABLED:=FALSE;
COMBOBOX1.ENABLED:=FALSE;
COMBOBOX2.ENABLED:=FALSE;
COMBOBOX3.ENABLED:=FALSE;
COMBOBOX4.ENABLED:=FALSE;
COMBOBOX5.ENABLED:=FALSE;
COMBOBOX6.ENABLED:=FALSE;
COMBOBOX7.ENABLED:=FALSE;
END;
END;
////////////////////////////////////OTCHET////////////////////////////////////
PROCEDURE TForm1.BUTTON2CLICK(SENDER: TObject);
BEGIN
FORM1.FRXREPORT1.LOADFROMFILE('01.FR3',TRUE);
FORM1.FRXREPORT1.SHOWREPORT(TRUE);
END;
////////////////////////////////////
////////////////////////////////////DOBAVLENIE AVTOROV////////////////////////////////////
////////////////////////////////////
PROCEDURE TForm1.BUTTON1CLICK(SENDER: TObject);
BEGIN
IF (EDIT2.TEXT='')OR(EDIT3.TEXT='')OR(EDIT4.TEXT='')OR(EDIT5.TEXT='')
OR(EDIT6.TEXT='')OR(EDIT7.TEXT='')OR(COMBOBOX1.TEXT='')
THEN EXIT;
FORM1.ADOQUERY2.PARAMETERS[0].VALUE:=EDIT2.TEXT;
FORM1.ADOQUERY2.PARAMETERS[1].VALUE:=EDIT3.TEXT;
FORM1.ADOQUERY2.PARAMETERS[2].VALUE:=EDIT4.TEXT;
FORM1.ADOQUERY2.PARAMETERS[3].VALUE:=STRTOINT(EDIT5.TEXT);
FORM1.ADOQUERY2.PARAMETERS[4].VALUE:=EDIT6.TEXT;
FORM1.ADOQUERY2.PARAMETERS[5].VALUE:=STRTOINT(EDIT7.TEXT);
FORM1.ADOQUERY2.PARAMETERS[6].VALUE:=STRTOINT(COMBOBOX1.TEXT);
FORM1.ADOQUERY2.EXECSQL;
////////////////////////////////////
SHOWMESSAGE('OK!');
EDIT2.TEXT:='';
EDIT3.TEXT:='';
EDIT4.TEXT:='';
EDIT5.TEXT:='';
EDIT6.TEXT:='';
EDIT7.TEXT:='';
COMBOBOX1.TEXT:='';
REFRESH;
END;
////////////////////////////////////
////////////////////////////////////UDALENIE PO KODU AVTORA////////////////////////////////////
////////////////////////////////////
PROCEDURE TForm1.BUTTON3CLICK(SENDER: TObject);
BEGIN
IF COMBOBOX2.TEXT='' THEN EXIT;
////////////////////////////////////UDALENIE V NAME////////////////////////////////////
FORM1.ADOQUERY3.SQL.CLEAR;
FORM1.ADOQUERY3.SQL.ADD('DELETE FROM NAME WHERE KOD_NAZV IN (SELECT KOD_NAME FROM NAMEAVT WHERE KOD_AVT=:I1)');

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FORM1.ADOQUERY3.PARAMETERS.CLEAR;
FORM1.ADOQUERY3.PARAMETERS.ADD;
FORM1.ADOQUERY3.PARAMETERS[0].DATATYPE:=FTINTEGER;
FORM1.ADOQUERY3.PARAMETERS[0].DIRECTION:=PDINPUT;
FORM1.ADOQUERY3.PARAMETERS[0].VALUE:=STRTOINT(FORM1.COMBOBOX2.TEXT);
FORM1.ADOQUERY3.EXECSQL;
////////////////////////////////////UDALENIE V NAMEAVT////////////////////////////////////
FORM1.ADOQUERY3.SQL.CLEAR;
FORM1.ADOQUERY3.SQL.ADD('DELETE FROM NAMEAVT WHERE KOD_AVT=:I1');
FORM1.ADOQUERY3.PARAMETERS.CLEAR;
FORM1.ADOQUERY3.PARAMETERS.ADD;
FORM1.ADOQUERY3.PARAMETERS[0].DATATYPE:=FTINTEGER;
FORM1.ADOQUERY3.PARAMETERS[0].DIRECTION:=PDINPUT;
FORM1.ADOQUERY3.PARAMETERS[0].VALUE:=STRTOINT(FORM1.COMBOBOX2.TEXT);
FORM1.ADOQUERY3.EXECSQL;
////////////////////////////////////UDALENIE V AVTORI////////////////////////////////////
FORM1.ADOQUERY3.SQL.CLEAR;
FORM1.ADOQUERY3.SQL.ADD('DELETE FROM AVTORI WHERE KOD_AVTOR=:I1');
FORM1.ADOQUERY3.PARAMETERS.CLEAR;
FORM1.ADOQUERY3.PARAMETERS.ADD;
FORM1.ADOQUERY3.PARAMETERS[0].DATATYPE:=FTINTEGER;
FORM1.ADOQUERY3.PARAMETERS[0].DIRECTION:=PDINPUT;
FORM1.ADOQUERY3.PARAMETERS[0].VALUE:=STRTOINT(FORM1.COMBOBOX2.TEXT);
FORM1.ADOQUERY3.EXECSQL;
////////////////////////////////////
SHOWMESSAGE('OK!');
COMBOBOX2.TEXT:='';
REFRESH;
END;
////////////////////////////////////DOPOLNITELNAA PROCEDURA////////////////////////////////////
PROCEDURE TForm1.Combo(Q: TADOQUERY; C: TCOMBOBOX; S: ANSISTRING; S1: ANSISTRING);
BEGIN
  C.CLEAR();
  Q.ACTIVE:=FALSE;
  Q.SQL.CLEAR();
  Q.SQL.ADD(S);
  Q.ACTIVE:=TRUE;
  Q.FIRST();
  WHILE (Q.EOF=FALSE) DO
    BEGIN
      C.ITEMS.ADD(Q.FIELDBYNAME(S1).VALUE);
      Q.NEXT();
    END;
END;
////////////////////////////////////
////////////////////////////////////AVTOMATICHESKOE ZAPOLNENIE POLEY COMBOBOX////////////////////////////////////
PROCEDURE TForm1.ComboBOX2ENTER(SENDER: TOBJECT);
BEGIN
  FORM1.COMBO(FORM1.ADOQUERY3, FORM1.COMBOBOX2,
    'SELECT KOD_AVTOR FROM AVTORI',
    'KOD_AVTOR');
END;
////////////////////////////////////
PROCEDURE TForm1.ComboBOX3ENTER(SENDER: TOBJECT);
BEGIN
  FORM1.COMBO(FORM1.ADOQUERY3, FORM1.COMBOBOX3,
    'SELECT KOD_Izd FROM IZDATELI',
    'KOD_Izd');
END;
////////////////////////////////////
PROCEDURE TForm1.ComboBOX4ENTER(SENDER: TOBJECT);
BEGIN
  FORM1.COMBO(FORM1.ADOQUERY3, FORM1.COMBOBOX4,
    'SELECT KOD_Izd FROM IZDATELI',
    'KOD_Izd');
END;
////////////////////////////////////
PROCEDURE TForm1.ComboBOX5ENTER(SENDER: TOBJECT);
BEGIN
  FORM1.COMBO(FORM1.ADOQUERY3, FORM1.COMBOBOX5,
    'SELECT KOD_NAZV FROM NAME',
    'KOD_NAZV');
END;
////////////////////////////////////
PROCEDURE TForm1.ComboBOX6ENTER(SENDER: TOBJECT);
BEGIN
  FORM1.COMBO(FORM1.ADOQUERY3, FORM1.COMBOBOX6,
    'SELECT KOD_AVTOR FROM AVTORI',
    'KOD_AVTOR');
END;
////////////////////////////////////
PROCEDURE TForm1.ComboBOX7ENTER(SENDER: TOBJECT);
BEGIN
  FORM1.COMBO(FORM1.ADOQUERY3, FORM1.COMBOBOX7,
    'SELECT KOD_NAZV FROM NAME',
    'KOD_NAZV');
END;
////////////////////////////////////
////////////////////////////////////DOBAVLENIE IZDATELSTV////////////////////////////////////
PROCEDURE TForm1.BUTTON4CLICK(SENDER: TOBJECT);
BEGIN
  IF (EDIT8.TEXT='') OR (EDIT9.TEXT='') THEN EXIT;
  FORM1.ADOQUERY4.PARAMETERS[0].VALUE:=EDIT8.TEXT;
  FORM1.ADOQUERY4.PARAMETERS[1].VALUE:=EDIT9.TEXT;
  FORM1.ADOQUERY4.EXECSQL;
  //////////////////////////////////////
  SHOWMESSAGE('OK!');
  EDIT8.TEXT:='';
  EDIT9.TEXT:='';
  REFRESH;
END;
////////////////////////////////////
////////////////////////////////////UDALENIE IZDATELSTV////////////////////////////////////
PROCEDURE TForm1.BUTTON6CLICK(SENDER: TOBJECT);
BEGIN
  IF COMBOBOX3.TEXT='' THEN EXIT;
  //////////////////////////////////////UDALENIE V NAMEAVT////////////////////////////////////
  FORM1.ADOQUERY3.SQL.CLEAR;
  FORM1.ADOQUERY3.SQL.ADD('DELETE FROM NAMEAVT WHERE KOD_NAME IN (SELECT KOD_NAZV FROM NAME WHERE KOD_Izd=:I1)');

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FORM1.ADOQUERY3.PARAMETERS.CLEAR;
FORM1.ADOQUERY3.PARAMETERS.ADD;
FORM1.ADOQUERY3.PARAMETERS[0].DATATYPE:=FTINTEGER;
FORM1.ADOQUERY3.PARAMETERS[0].DIRECTION:=PDINPUT;
FORM1.ADOQUERY3.PARAMETERS[0].VALUE:=STRTOINT(FORM1.COMBOBOX3.TEXT);
FORM1.ADOQUERY3.EXECSQL;
////////////////UDALENIE V NAME////////////////////////////////////////
FORM1.ADOQUERY3.SQL.CLEAR;
FORM1.ADOQUERY3.SQL.ADD('DELETE FROM NAME WHERE KOD_Izd=:I1');
FORM1.ADOQUERY3.PARAMETERS.CLEAR;
FORM1.ADOQUERY3.PARAMETERS.ADD;
FORM1.ADOQUERY3.PARAMETERS[0].DATATYPE:=FTINTEGER;
FORM1.ADOQUERY3.PARAMETERS[0].DIRECTION:=PDINPUT;
FORM1.ADOQUERY3.PARAMETERS[0].VALUE:=STRTOINT(FORM1.COMBOBOX3.TEXT);
FORM1.ADOQUERY3.EXECSQL;
////////////////UDALENIE V IZDATELI////////////////////////////////////////
FORM1.ADOQUERY3.SQL.CLEAR;
FORM1.ADOQUERY3.SQL.ADD('DELETE FROM IZDATELI WHERE KOD_Izd=:I1');
FORM1.ADOQUERY3.PARAMETERS.CLEAR;
FORM1.ADOQUERY3.PARAMETERS.ADD;
FORM1.ADOQUERY3.PARAMETERS[0].DATATYPE:=FTINTEGER;
FORM1.ADOQUERY3.PARAMETERS[0].DIRECTION:=PDINPUT;
FORM1.ADOQUERY3.PARAMETERS[0].VALUE:=STRTOINT(FORM1.COMBOBOX3.TEXT);
FORM1.ADOQUERY3.EXECSQL;
////////////////
SHOWMESSAGE('OK!');
COMBOBOX3.TEXT='';
REFRESH;
END;
////////////////
////////////////DOBAVLENIE NOVOI KNIGI////////////////////////////////////////
////////////////
PROCEDURE TForm1.Button7Click(Sender: TObject);
BEGIN
IF (EDIT10.TEXT='')OR(EDIT11.TEXT='')OR(EDIT12.TEXT='')OR(EDIT13.TEXT='')
OR(EDIT14.TEXT='')OR(COMBOBOX4.TEXT='')
THEN EXIT;
FORM1.ADOQUERY5.PARAMETERS[0].VALUE:=EDIT10.TEXT;
FORM1.ADOQUERY5.PARAMETERS[1].VALUE:=EDIT11.TEXT;
FORM1.ADOQUERY5.PARAMETERS[2].VALUE:=STRTOINT(COMBOBOX4.TEXT);
FORM1.ADOQUERY5.PARAMETERS[3].VALUE:=STRTOFLOAT(EDIT12.TEXT);
FORM1.ADOQUERY5.PARAMETERS[4].VALUE:=STRTOINT(EDIT13.TEXT);
FORM1.ADOQUERY5.PARAMETERS[5].VALUE:=STRTOINT(EDIT14.TEXT);
FORM1.ADOQUERY5.EXECSQL;
////////////////
SHOWMESSAGE('OK!');
EDIT10.TEXT='';
EDIT11.TEXT='';
EDIT12.TEXT='';
EDIT13.TEXT='';
EDIT14.TEXT='';
COMBOBOX4.TEXT='';
REFRESH;
END;
////////////////
////////////////UDALENIE KNIGI////////////////////////////////////////
////////////////
PROCEDURE TForm1.Button8Click(Sender: TObject);
BEGIN
IF COMBOBOX5.TEXT='' THEN EXIT;
////////////////UDALENIE V NAMEAVT////////////////////////////////////////
FORM1.ADOQUERY3.SQL.CLEAR;
FORM1.ADOQUERY3.SQL.ADD('DELETE FROM NAMEAVT WHERE KOD_NAME=:I');
FORM1.ADOQUERY3.PARAMETERS.CLEAR;
FORM1.ADOQUERY3.PARAMETERS.ADD;
FORM1.ADOQUERY3.PARAMETERS[0].DATATYPE:=FTINTEGER;
FORM1.ADOQUERY3.PARAMETERS[0].DIRECTION:=PDINPUT;
FORM1.ADOQUERY3.PARAMETERS[0].VALUE:=STRTOINT(FORM1.COMBOBOX5.TEXT);
FORM1.ADOQUERY3.EXECSQL;
////////////////UDALENIE V NAME////////////////////////////////////////
FORM1.ADOQUERY3.SQL.CLEAR;
FORM1.ADOQUERY3.SQL.ADD('DELETE FROM NAME WHERE KOD_NAZV=:I1');
FORM1.ADOQUERY3.PARAMETERS.CLEAR;
FORM1.ADOQUERY3.PARAMETERS.ADD;
FORM1.ADOQUERY3.PARAMETERS[0].DATATYPE:=FTINTEGER;
FORM1.ADOQUERY3.PARAMETERS[0].DIRECTION:=PDINPUT;
FORM1.ADOQUERY3.PARAMETERS[0].VALUE:=STRTOINT(FORM1.COMBOBOX5.TEXT);
FORM1.ADOQUERY3.EXECSQL;
////////////////
SHOWMESSAGE('OK!');
COMBOBOX5.TEXT='';
REFRESH;
END;
////////////////
////////////////DOBAVLENIE NAMEAVT////////////////////////////////////////
////////////////
PROCEDURE TForm1.Button9Click(Sender: TObject);
BEGIN
IF (COMBOBOX6.TEXT='')OR(COMBOBOX7.TEXT='') THEN EXIT;
FORM1.ADOQUERY6.PARAMETERS[0].VALUE:=STRTOINT(COMBOBOX6.TEXT);
FORM1.ADOQUERY6.PARAMETERS[1].VALUE:=STRTOINT(COMBOBOX7.TEXT);
FORM1.ADOQUERY6.EXECSQL;
////////////////
SHOWMESSAGE('OK!');
COMBOBOX6.TEXT='';
COMBOBOX7.TEXT='';
REFRESH;
END;
////////////////
////////////////END////////////////////////////////////////
PROCEDURE TForm1.FormCreate(Sender: TObject);
BEGIN
FORM1.LEFT:=153;
FORM1.TOP:=83;
BUTTON1.ENABLED:=FALSE;
BUTTON2.ENABLED:=FALSE;
BUTTON3.ENABLED:=FALSE;
BUTTON4.ENABLED:=FALSE;
BUTTON6.ENABLED:=FALSE;
BUTTON7.ENABLED:=FALSE;
BUTTON8.ENABLED:=FALSE;
BUTTON9.ENABLED:=FALSE;

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```
COMBOBOX1.ENABLED:=FALSE;  
COMBOBOX2.ENABLED:=FALSE;  
COMBOBOX3.ENABLED:=FALSE;  
COMBOBOX4.ENABLED:=FALSE;  
COMBOBOX5.ENABLED:=FALSE;  
COMBOBOX6.ENABLED:=FALSE;  
COMBOBOX7.ENABLED:=FALSE;  
END;  
END.
```