

MODUL 14

MEMBUAT APLIKASI DENGAN MENYIMPAN KE DALAM DUA TABEL HANYA DENGAN MEMAKAI SATU TOMBOL SIMPAN

Menyimpan Data ke Dalam 2 Tabel Dengan Menggunakan 1 Tombol Simpan

NIM:
 Nama:
 Alamat:
 Kode Mata Kuliah:
 Nama Mata Kuliah:

NIM	Nama	Alamat
001	SEM	JL.BADAK
002	JIMI	JL.LELE
003	MONA	JL.BANDUNG

KdMatkul	NamaMK	NIM
KM1	BIOLOGI	001
KM2	KIMIA	002
KM3	FISIKA	003

Relasi Hanya Satu ke Satu, Satu Mahasiswa hanya boleh mengambil satu mata kuliah. Catatan : Pada kondisi sebenarnya aturan ini tidak layak dan tidak memenuhi syarat dikatakan sebagai database meskipun tabelnya ada 2. Namun dalam kondisi ini hanya sekedar contoh untuk menunjukkan bagaimana memasukkan ke dalam 2 tabel sekaligus hanya dengan memakai sebuah tombol simpan. Oceeee...

Structure Information Paradox 7 Table: mhs.db

Field roster:

	Field Name	Type	Size	Key
1	NIM	A	5	*
2	Nama	A	30	
3	Alamat	A	30	

Table properties:

Secondary Indexes

Structure Information Paradox 7 Table: mk.db

Field roster:

	Field Name	Type	Size	Key
1	KdMatkul	A	5	*
2	NamaMK	A	30	
3	NIM	A	5	

Table properties:

Secondary Indexes

idxNIM

unit Unit1;

interface

uses

Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
Dialogs, DB, DBTables, StdCtrls, ExtCtrls, Grids, DBGrids;

type

```
TForm1 = class(TForm)
  Panel1: TPanel;
  Label1: TLabel;
  Label2: TLabel;
  Label3: TLabel;
  Label4: TLabel;
  Label5: TLabel;
  Edit1: TEdit;
  Edit2: TEdit;
  Edit3: TEdit;
  Edit4: TEdit;
  Edit5: TEdit;
  btSimpan: TButton;
  tbMhs: TTable;
  tbMk: TTable;
  DataSource1: TDataSource;
  DataSource2: TDataSource;
  DBGrid1: TDBGrid;
  DBGrid2: TDBGrid;
  btHapus: TButton;
  btBatal: TButton;
  btEdit: TButton;
  btTutup: TButton;
  btCari: TButton;
  Label6: TLabel;
  Bevel1: TBevel;
  procedure btSimpanClick(Sender: TObject);
  procedure bersih;
  procedure btBatalClick(Sender: TObject);
  procedure btTutupClick(Sender: TObject);
  procedure btHapusClick(Sender: TObject);
  procedure btCariClick(Sender: TObject);
  procedure btEditClick(Sender: TObject);
  procedure Button1Click(Sender: TObject);
```

private

{ Private declarations }

public

{ Public declarations }

end;

var

Form1: TForm1;

implementation

{ \$R *.dfm }

procedure TForm1.bersih;

```
begin
  edit1.Text := '';
  edit2.Text := '';
  edit3.Text := '';
  edit4.Text := '';
  edit5.Text := '';
  edit1.SetFocus;
end;
```

procedure TForm1.btSimpanClick(Sender: TObject);

```
begin
  if not(edit1.Text <> '') or not(edit4.Text <> '') then
    begin
      application.MessageBox('Isi dulu NIM dan Kode Mata Kuliah !','Ok',
        mb_Ok + mb_IconInformation);
      bersih;
      exit;
    end;

  tbMhs.IndexName := '';
  tbMhs.FindNearest([edit1.Text]);

  tbMk.IndexName := '';
  tbMk.FindNearest([edit4.Text]);

  if edit1.Text = tbMhs['NIM'] then
    begin
      application.MessageBox('NIM Sudah ada','ehem',mb_Ok+mb_iconinformation);
      exit;
    end;

  if edit4.Text = tbMK['KdMatkul'] then
    begin
      application.MessageBox('Sudah ada Kode Mata Kuliah','yuhu',
        mb_Ok+mb_iconinformation);
      exit;
    end;

  if application.MessageBox('Yakin Simpan ?','Ehem',
    mb_YesNo or mb_iconQuestion)=idYes then
    begin
      tbMhs.Append;
      tbMhs['NIM'] := edit1.Text;
      tbMhs['Nama']:= edit2.Text;
      tbMhs['Alamat']:= edit3.Text;
      tbMhs.Post;

      tbMK.Append;
      tbMK['KdMatkul'] := edit4.Text;
      tbMK['NamaMk'] := edit5.Text;
      tbMK['NIM'] := edit1.Text;
      tbMK.Post;

      bersih;
      exit;
    end;
end;
```

```

procedure TForm1.btBatalClick(Sender: TObject);
begin
    bersih;
end;

procedure TForm1.btTutupClick(Sender: TObject);
begin
    application.Terminate
end;

procedure TForm1.btHapusClick(Sender: TObject);
begin
    if not(edit1.Text <>") then
        begin
            application.MessageBox('Masukkan dulu NIM !','Oceee..',
                mb_Ok + mb_iconInformation);
            exit;
        end;

    tbMhs.IndexName := '';
    tbMhs.FindNearest([edit1.Text]);

    tbMK.IndexName := 'idxNIM';
    tbMK.FindNearest([edit1.Text]);

    if edit1.Text <> tbMhs['NIM'] then
        begin
            application.MessageBox('NIM tidak ada !','Ehem..Ehem',
                mb_ok + mb_iconinformation);
            exit;
        end;

    if edit1.Text <> tbMK['NIM'] then
        begin
            application.MessageBox('NIM tidak ada !','Ehem..Ehem',
                mb_ok + mb_iconinformation);
            exit;
        end;

    if application.MessageBox('Yakin hapus.....?', 'Yoi',
        mb_YesNo or mb_IconQuestion)=idYes then
        begin
            tbMhs.Delete;
            tbMk.Delete;
            bersih;
        end;
    end;

procedure TForm1.btCariClick(Sender: TObject);
begin
    if not(edit1.Text <>") then
        begin
            application.MessageBox('Isi dulu NIM !','Ok',mb_Ok + mb_IconInformation);
            bersih;
            exit;
        end;

```

```

tbMhs.IndexName := "";
tbMhs.FindNearest([edit1.Text]);

tbMk.IndexName := 'idxNIM';
tbMk.FindNearest([edit1.Text]);

if edit1.Text <> tbMhs['NIM'] then
begin
    application.MessageBox('NIM tidak ada','ehem',mb_Ok+mb_iconinformation);
    exit;
end;

if edit1.Text <> tbMK['NIM'] then
begin
    application.MessageBox('NIM tidak ada','yuhu',mb_Ok+mb_iconinformation);
    exit;
end;

try
edit1.Text := tbMhs['NIM'];
edit2.Text := tbMhs['Nama'];
edit3.Text := tbMhs['Alamat'];
edit4.Text := tbMK['KdMatkul'];
edit5.Text := tbMk['NamaMK'];
except
showmessage('Ada record kosong');
end;
end;

procedure TForm1.btEditClick(Sender: TObject);
begin
if not(edit1.Text <> "") then
begin
    application.MessageBox('Isi dulu NIM !','Ok',mb_Ok + mb_IconInformation);
    bersih;
    exit;
end;

tbMhs.IndexName := "";
tbMhs.FindNearest([edit1.Text]);

tbMk.IndexName := 'idxNIM';
tbMk.FindNearest([edit1.Text]);

tbMk.IndexName := "";
tbMk.FindNearest([edit4.Text]);

if edit1.Text <> tbMhs['NIM'] then
begin
    application.MessageBox('NIM tidak ada atau jangan diubah','ehem',mb_Ok+mb_iconinformation);
    exit;
end;

if edit4.Text <> tbMK['KdMatkul'] then
begin
    application.MessageBox('Kode Mata Kuliah jangan diubah','yuhu',
    mb_Ok+mb_iconinformation);
    exit;
end;

```

```

if application.MessageBox('Yakin Mo Ubah ?','Ehem',
    mb_YesNo or mb_iconQuestion)=idYes then
begin
    tbMhs.Edit;
    tbMhs['NIM'] := edit1.Text;
    tbMhs['Nama']:= edit2.Text;
    tbMhs['Alamat']:= edit3.Text;
    tbMhs.Post;

    tbMK.Edit;
    tbMK['KdMatkul'] := edit4.Text;
    tbMK['NamaMk'] := edit5.Text;
    tbMK['NIM'] := edit1.Text;
    tbMK.Post;

    bersih;
    exit;
end;

end;

procedure TForm1.Button1Click(Sender: TObject);
begin
    tbMhs.Refresh;
    tbMk.Refresh
end;

end.

```

