



VISUAL 2

VALIDASI CRUD

Form1

Nama Kustomer* 1 dt1

Telepon* 2 dt2

Alamat: 3 dt3

Kota: 4 dt4

Kode Pos: 5 dt5

6 Baru 7 Simpan 8 Edit 9 Hapus 10 Batal

0

ZConnection1

ZQuery1

ds1

```
procedure TForm1.posisiawal;  
begin  
    bersih;  
    btn1.Enabled:= True;  
    btn2.Enabled:= False;  
    btn3.Enabled:= False;  
    btn4.Enabled:= False;  
    btn5.Enabled:= False;  
    edt1.Enabled:= False;  
    edt2.Enabled:= False;  
    edt3.Enabled:= False;  
    edt4.Enabled:= False;  
    edt5.Enabled:= False;  
end;
```

Buat procedure dengan nama posisiawal, tuliskan nama procedure diatas private
procedure posisiawal; Ctrl + Shift + C

```
procedure TForm1.bersih;  
begin  
    edt1.Clear;  
    edt2.Clear;  
    edt3.Clear;  
    edt4.Clear;  
    edt5.Clear;  
end;
```

```
procedure TForm1.FormShow(Sender: TObject);  
begin  
posisiawal;  
end;
```

Tambahkan di form tepatnya pada formshow

```
procedure TForm1.btn1Click(Sender: TObject);  
begin  
bersih;  
btn1.Enabled:= false;  
btn2.Enabled:= True;  
btn3.Enabled:= False;  
btn4.Enabled:= False;  
btn5.Enabled:= True;  
edt1.Enabled:= True;  
edt2.Enabled:= True;  
edt3.Enabled:= True;  
edt4.Enabled:= True;  
edt5.Enabled:= True;  
end;
```

Tambahkan dibutton baru tepatnya pada onclick


```
procedure TForm1.btn2Click(Sender: TObject);
begin
if edt1.Text = '' then
begin
ShowMessage('NAMA KUSTOMER TIDAK BOLEH KOSONG!');
end else
if edt2.Text = '' then
begin
ShowMessage('No TELEPON TIDAK BOLEH KOSONG!');
end else
if edt3.Text = '' then
begin
ShowMessage('alamat TIDAK BOLEH KOSONG!');
end else
begin
//simpan
end;
end;
```

```
ZQuery1.SQL.Clear; //simpan
ZQuery1.SQL.Add('insert into kustomer
values(null, ''+edt1.Text+'', ''+edt2.Text+'', ''+edt3.Text+'', ''+edt4.Text
+'', ''+edt5.Text+'')');
ZQuery1.ExecSQL ;

ZQuery1.SQL.Clear;
ZQuery1.SQL.Add('select * from kustomer');
ZQuery1.Open;
ShowMessage('DATA BARHASIL DISIMPAN!');
posisiawal;
```

```
if (edt1.Text= "")or (edt2.Text = "")or(edt3.Text= "")or (edt4.Text = "")or (edt5.Text = "") then  
begin
```

```
    ShowMessage('INPUTAN WAJIB DIISI!');
```

```
end else
```

```
if edt1.Text = ZQuery1.Fields[1].AsString then
```

```
begin
```

```
    ShowMessage('DATA TIDAK ADA PERUBAHAN');
```

```
    posisiawal;
```

```
end else
```

```
begin
```

```
    ShowMessage('DATA BERHASIL DIUPDATE!'); //UPDATE
```

```
ZQuery1.SQL.Clear;
```

```
ZQuery1.SQL.Add('Update kustomer set nmkustomer= "'+edt1.Text+'",telp="' +edt2.Text+'"' where idkustomer="' +id+'";
```

```
ZQuery1. ExecSQL;
```

```
ZQuery1.SQL.Clear;
```

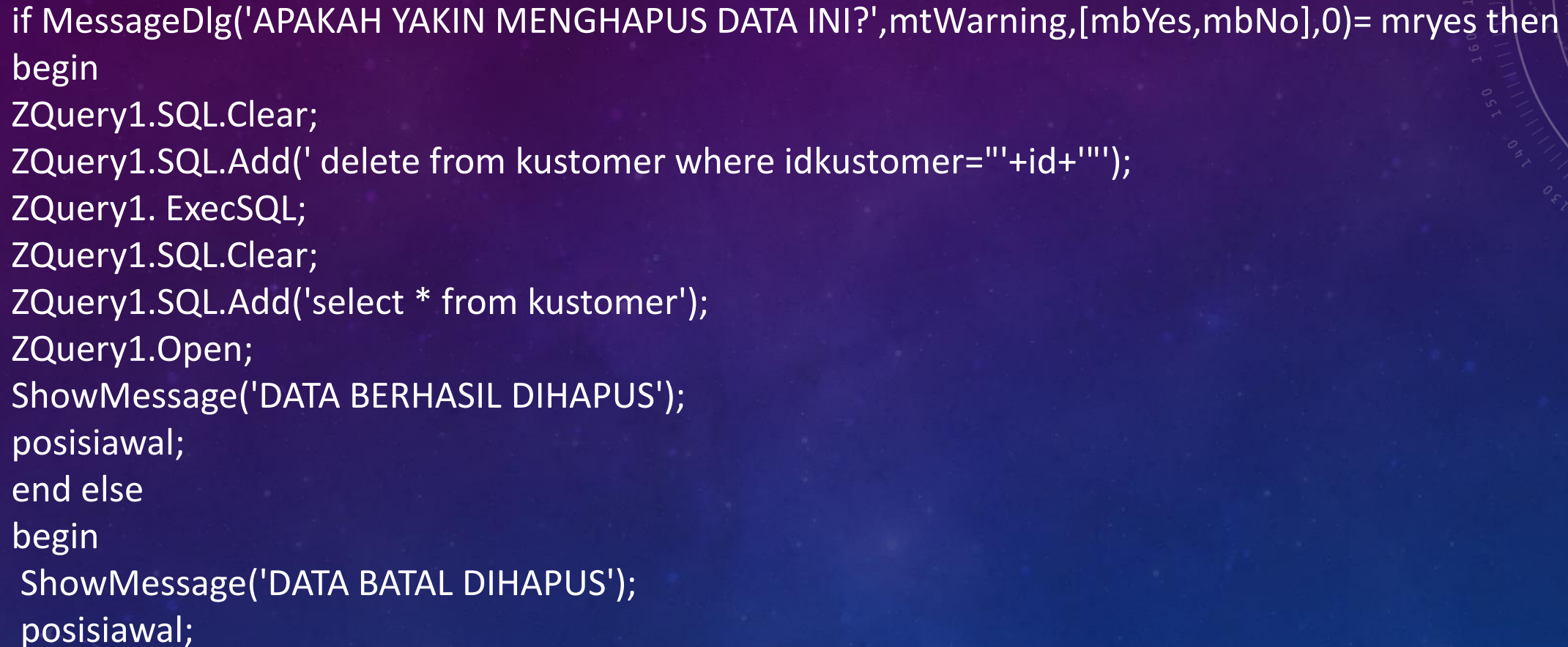
```
ZQuery1.SQL.Add('select * from kustomer');
```

```
ZQuery1.Open;
```

```
posisiawal;
```

```
id:= ZQuery1.Fields[0].AsString; // DBGrid  
edt1.Text:= ZQuery1.Fields[1].AsString;  
edt2.Text:= ZQuery1.Fields[2].AsString;  
edt3.Text:= ZQuery1.Fields[3].AsString;  
edt4.Text:= ZQuery1.Fields[4].AsString;  
edt5.Text:= ZQuery1.Fields[5].AsString;  
edt1.Enabled:= True;  
edt2.Enabled:= True;  
edt3.Enabled:= True;  
edt4.Enabled:= True;  
edt5.Enabled:= True;
```

```
btn1.Enabled:= false;  
btn2.Enabled:= False;  
btn3.Enabled:= True;  
btn4.Enabled:= True;  
btn5.Enabled:= True;
```



```
if MessageDlg('APAKAH YAKIN MENGHAPUS DATA INI?',mtWarning,[mbYes,mbNo],0)= mryes then  
begin  
ZQuery1.SQL.Clear;  
ZQuery1.SQL.Add(' delete from kustomer where idkustomer="'+id+'"');  
ZQuery1. ExecSQL;  
ZQuery1.SQL.Clear;  
ZQuery1.SQL.Add('select * from kustomer');  
ZQuery1.Open;  
ShowMessage('DATA BERHASIL DIHAPUS');  
posisiawal;  
end else  
begin  
ShowMessage('DATA BATAL DIHAPUS');  
posisiawal;
```