

Third step...

- 1) Global variable `iCountOfClicks` added... when line `{}{1}` done by hand
- 2) Event handler "FormCreate" created by dbl-clicking on the form `{}{2a and 2b}`, and...
- 3) .. it programmed to give `iCountOfClicks` an initial value of 0 `{}{3}`
- 4) Within the existing "Button1Click" handler, line added to add 1 to value stored in `iCountOfClicks`. ("inc(`iCountOfClicks`);" would also work!) `{}{4}`
- 5) A label added to the form, in the usual way. (i.e. by using the IDE.) `{}{5}`, and...
- 6) Within the existing "Button1Click" handler, line added to display the value of `iCountOfClicks` on the label, changing it each time the button is clicked. `{}{6}`

```
=====
unit Unit1;
{$mode objfpc} {$H+}

//-----
interface
uses Classes, SysUtils, FileUtil, Forms,
     Controls, Graphics, Dialogs, StdCtrls;

type
  TForm1 = class(TForm)
    Button1: TButton;
    Label1: TLabel; {}{5}
    procedure Button1Click(Sender: TObject);
    procedure FormCreate(Sender: TObject); {}{2a}
  private
    { private declarations }
    iCountOfClicks:integer; {}{1}
  public
    { public declarations }
  end;

var
  Form1: TForm1;

implementation

{$R *.lfm}

//... continues next page....
```

```
procedure TForm1.Button1Click(Sender: TObject);
begin
  //”By hand” bit begins here
  iCountOfClicks:=iCountOfClicks+1; {{4 (by hand)}}
  Label1.caption:=inttostr(iCountOfClicks); {{6 (by hand)}}
  if Button1.caption<>'Yes' then begin
    Button1.caption:='Yes';
    end//no ; here
  else begin
    Button1.caption:='No';
  end; //Last of “by hand” bit.
end;
```

```
procedure TForm1.FormCreate(Sender: TObject); {{2b}}
begin
  iCountOfClicks:=0; {{3 (by hand)}}
end;
```

end.