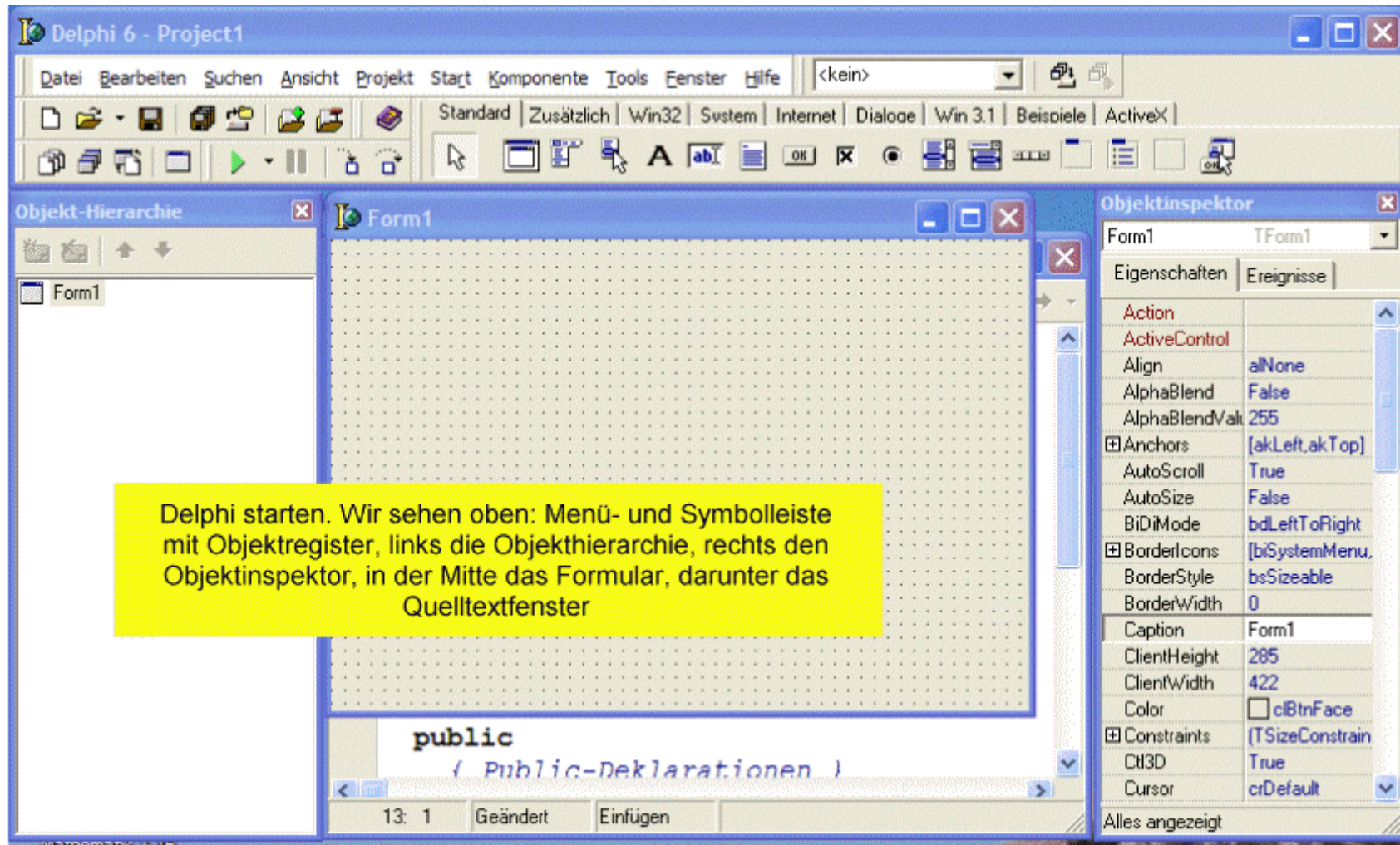


Einführung in die prozedurale Programmierung mit Delphi

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„Hello World“

- Erstellung eines ersten Projektes mit Delphi 6
- Grundlegende Vorgehensweise
- In dieser Lektion werden noch keine theoretischen Programmierkenntnisse vermittelt bzw. vorausgesetzt
- Vorausgesetzt wird die erfolgreiche Installation einer Delphi-Umgebung (Delphi 3 bis 7 oder Delphi 2005)



The screenshot shows the Delphi 6 IDE interface. The main window is titled "Delphi 6 - Project1". The menu bar includes "Datei", "Bearbeiten", "Suchen", "Ansicht", "Projekt", "Start", "Komponente", "Tools", "Fenster", and "Hilfe". The toolbar contains various icons for file operations, execution, and editing. The "Objekt-Hierarchie" (Object Hierarchy) pane on the left shows a tree view with "Form1". The "Objektinspektor" (Object Inspector) pane on the right shows the properties of the selected "Form1" object. The "Caption" property is highlighted in blue and set to "Programm 1". A yellow callout box with a blue arrow pointing to the "Caption" property in the Object Inspector contains the text: "Wir stellen ein: Die Caption-Eigenschaft des Formulars lautet 'Programm1'". The main design canvas shows a grid with a blue arrow pointing to the top of the form. The code editor at the bottom shows the following code:

```
{ Public-Deklarationen }  
end;
```


The screenshot shows the Delphi 6 IDE interface. The main window is titled 'Delphi 6 - Project1'. The menu bar includes 'Datei', 'Bearbeiten', 'Suchen', 'Ansicht', 'Projekt', 'Start', 'Komponente', 'Tools', 'Fenster', and 'Hilfe'. The toolbar contains various icons for file operations and development tools. The 'Objekt-Hierarchie' (Object Hierarchy) pane on the left shows a tree view with a single node 'fhello'. The 'Objektinspektor' (Object Inspector) pane on the right shows the properties of the selected 'fhello' object. The 'Eigenschaften' (Properties) tab is active, displaying a list of properties such as 'Height', 'HelpContext', 'HelpFile', 'HelpKeyword', 'HelpType', 'Hint', 'HorzScrollBar', 'Icon', 'KeyPreview', 'Left', 'Menu', 'Name', 'ObjectRenumber', 'StdCreateOrder', 'ParentBiDiMod', 'ParentFont', 'PixelsPerInch', 'PopupMenu', and 'Position'. The 'Name' property is highlighted in red and set to 'fhello'. A yellow callout box with a blue arrow pointing to the 'fhello' node in the hierarchy and another blue arrow pointing to the 'Name' property in the inspector contains the text: 'Wir stellen ein: Die Namens-Eigenschaft des Formulars lautet fHello.'

Objekt-Hierarchie

Objektinspektor

fhello

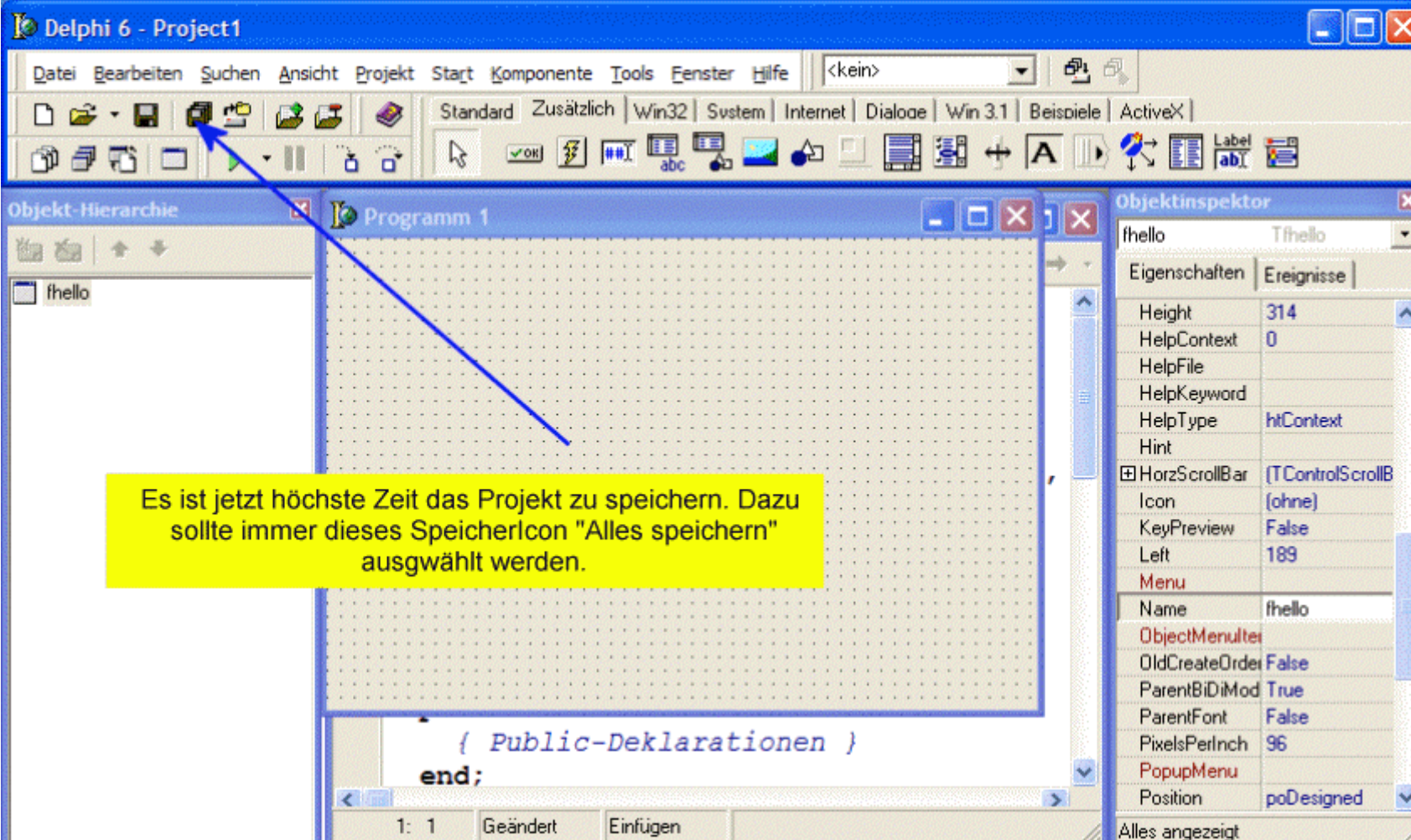
fhello

Eigenschaften

Eigenschaften	Ereignisse
Height	314
HelpContext	0
HelpFile	
HelpKeyword	
HelpType	htContext
Hint	
HorzScrollBar	(TControlScrollB
Icon	(ohne)
KeyPreview	False
Left	189
Menu	
Name	fhello
ObjectRenumber	
StdCreateOrder	False
ParentBiDiMod	True
ParentFont	False
PixelsPerInch	96
PopupMenu	
Position	poDesigned

Wir stellen ein: Die Namens-Eigenschaft des Formulars lautet fHello.

```
{ Public-Deklarationen }  
end;
```

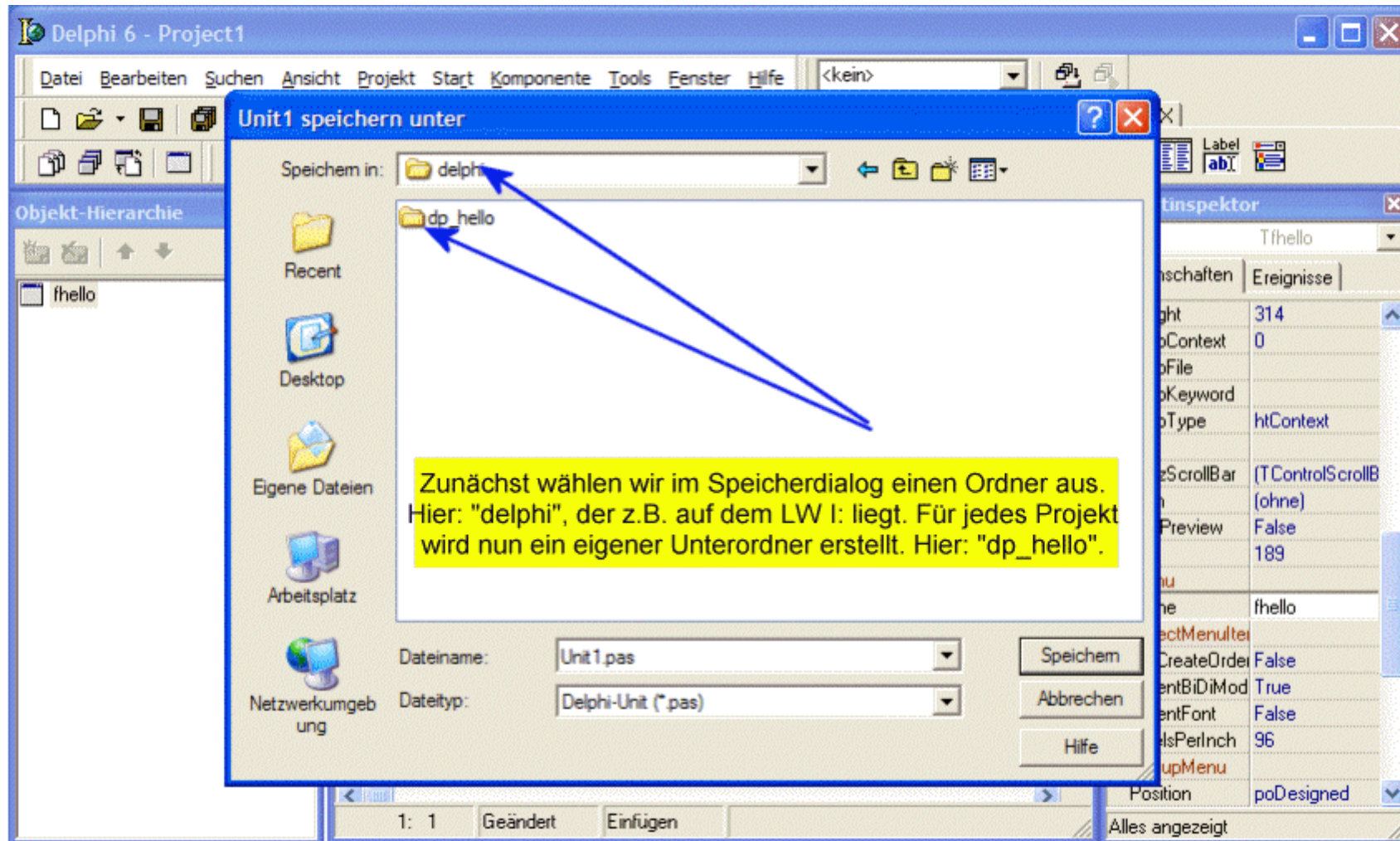


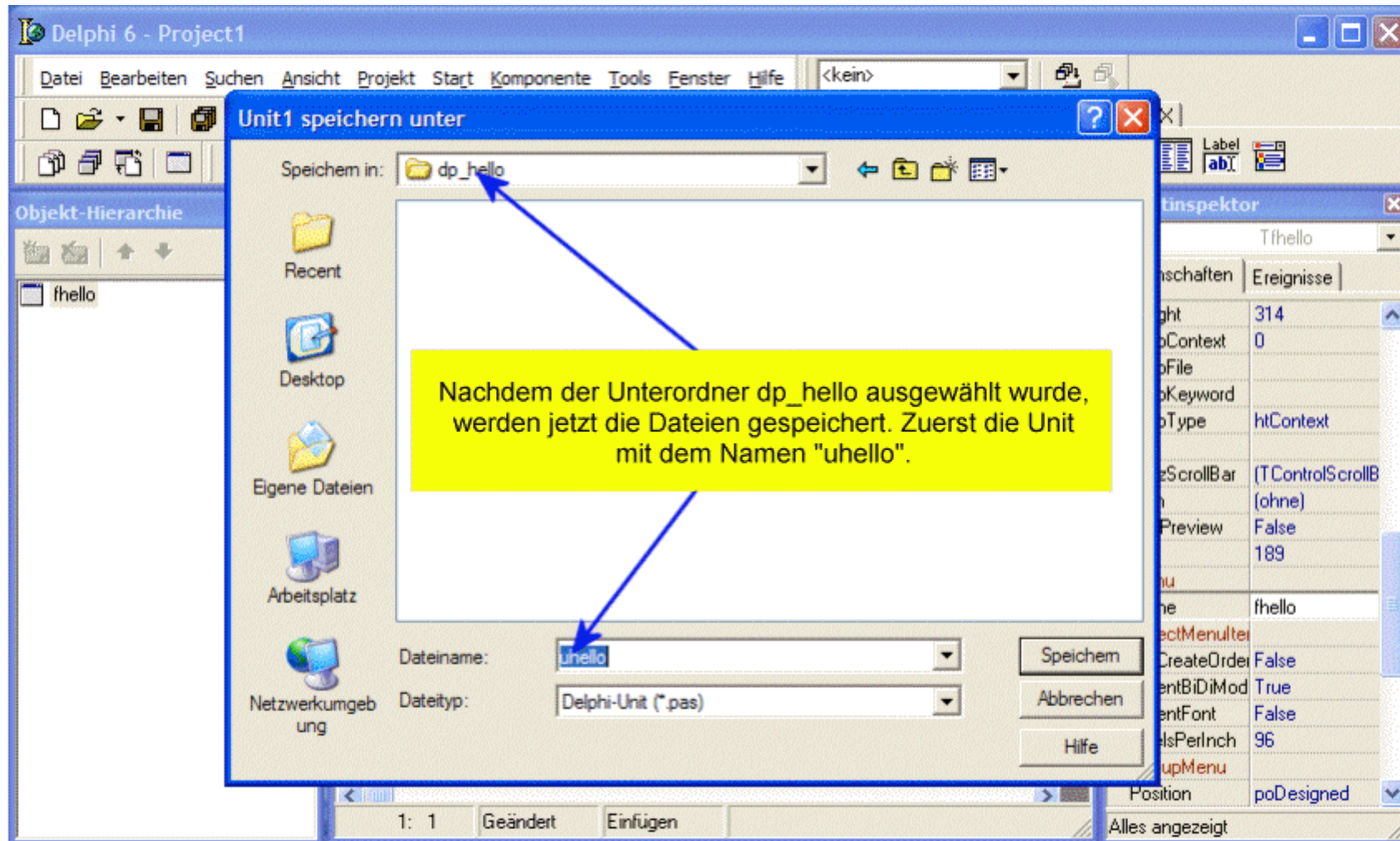
The screenshot shows the Delphi 6 IDE interface. The main window is titled "Delphi 6 - Project1". The menu bar includes "Datei", "Bearbeiten", "Suchen", "Ansicht", "Projekt", "Start", "Komponente", "Tools", "Fenster", and "Hilfe". The toolbar contains various icons, including a "Save All" icon (a floppy disk with a plus sign) which is highlighted by a blue arrow. A yellow callout box with black text points to this icon. The callout box contains the following text:

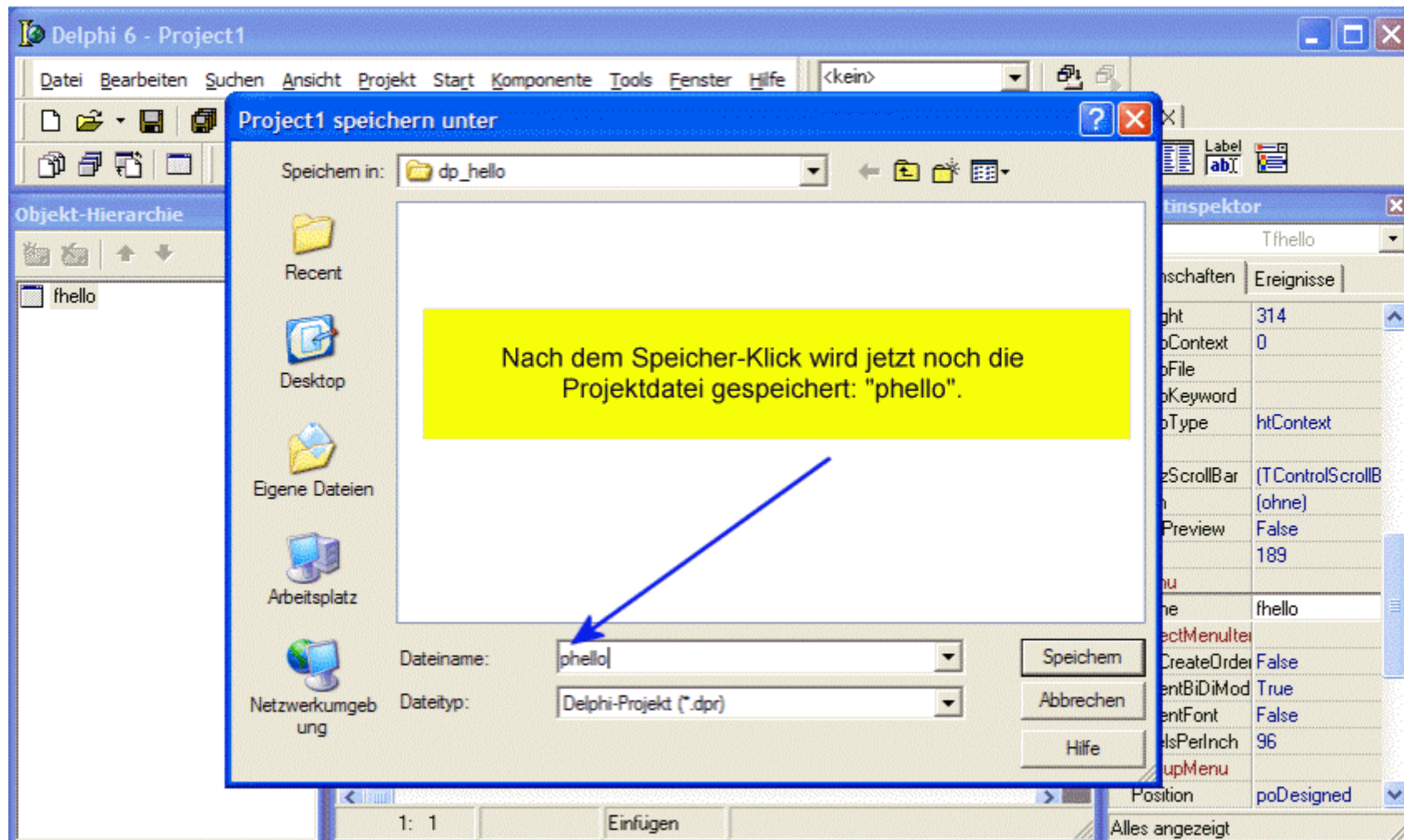
Es ist jetzt höchste Zeit das Projekt zu speichern. Dazu sollte immer dieses Speicherlcon "Alles speichern" ausgewählt werden.

The IDE also shows the "Objekt-Hierarchie" (Object Hierarchy) on the left, the "Objektinspektor" (Object Inspector) on the right, and a code editor at the bottom with the following code:

```
{ Public-Deklorationen }  
end;
```





Nun kann das Projekt entwickelt werden. Zuerst einen Schließbutton, hierzu wird aus dem Register "Zusätzlich" das Objekt BitBtn ausgewählt mit der Kind-Eigenschaft bkClose.

The screenshot shows the Delphi 6 IDE with the following components:

- Objekt-Hierarchie:** Shows a tree view with 'fhello' and 'BitBtn1'.
- Objektinspektor:** Shows the properties of 'BitBtn1'. The 'Kind' property is set to 'bkClose'.
- Form:** Shows a button labeled 'Schließen' on a grid.
- Code Editor:** Shows the start of a public declaration: `public { Public-Deklarationen }`

Aus dem Register Standard holen wir ein Label-Objekt und platzieren es auf dem Formular.

Eigenschaften	Ereignisse
Align	alNone
Alignment	taLeftJustify
⊕ Anchors	[akLeft,akTop]
AutoSize	True
BiDiMode	bdLeftToRight
Caption	Label1
Color	<input type="checkbox"/> clBtnFace
⊕ Constraints	(TSizeConstrain
Cursor	crDefault
DragCursor	crDrag
DragKind	dkDrag
DragMode	dmManual
Enabled	True
FocusControl	
⊕ Font	(TFont)
Height	57
HelpContext	0
HelpKeyword	
HelpType	htContext

```
{ Private-Deklorationen }  
public
```


The screenshot shows the Delphi 6 IDE with a form titled 'Programm 1'. The 'Objekt-Hierarchie' (Object Hierarchy) on the left shows a tree structure with 'fhello' containing 'BitBtn1' and 'lthema'. The 'Objektinspektor' (Object Inspector) on the right shows the properties of the selected 'lthema' object, which is a 'TLabel'. The 'Caption' property is set to 'Hello World' and the 'Name' property is 'lthema'. A yellow text box with blue arrows pointing to the 'Caption' and 'Name' properties in the Object Inspector and the 'lthema' object in the hierarchy contains the following text:

Die Caption-Eigenschaft des Labels heißt nun "Hello World", die Namens-Eigenschaft lthema.

The code editor at the bottom shows the following code:

```
{ Private-Deklarationen }  
public
```

