

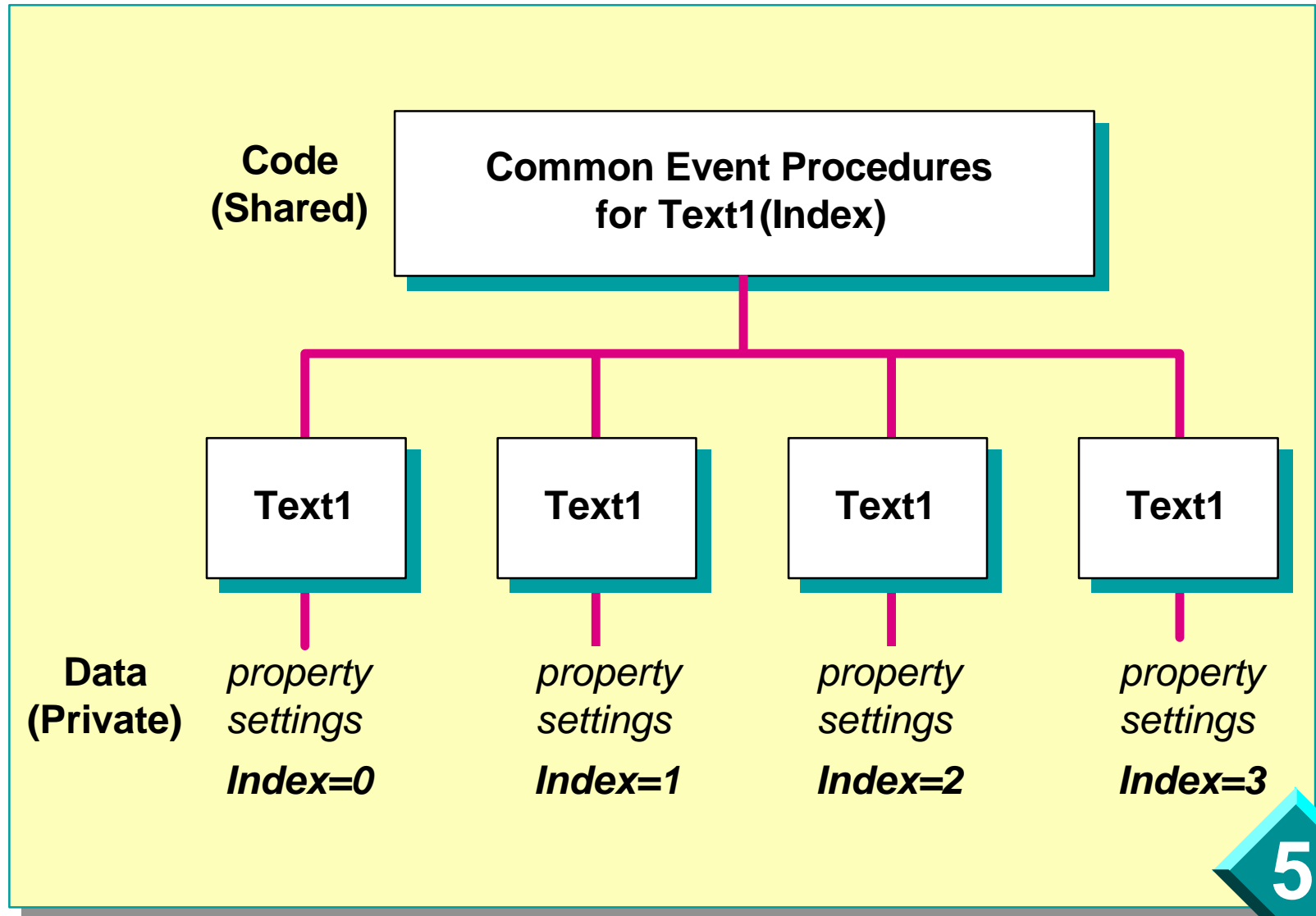
Dynamic Controls

5

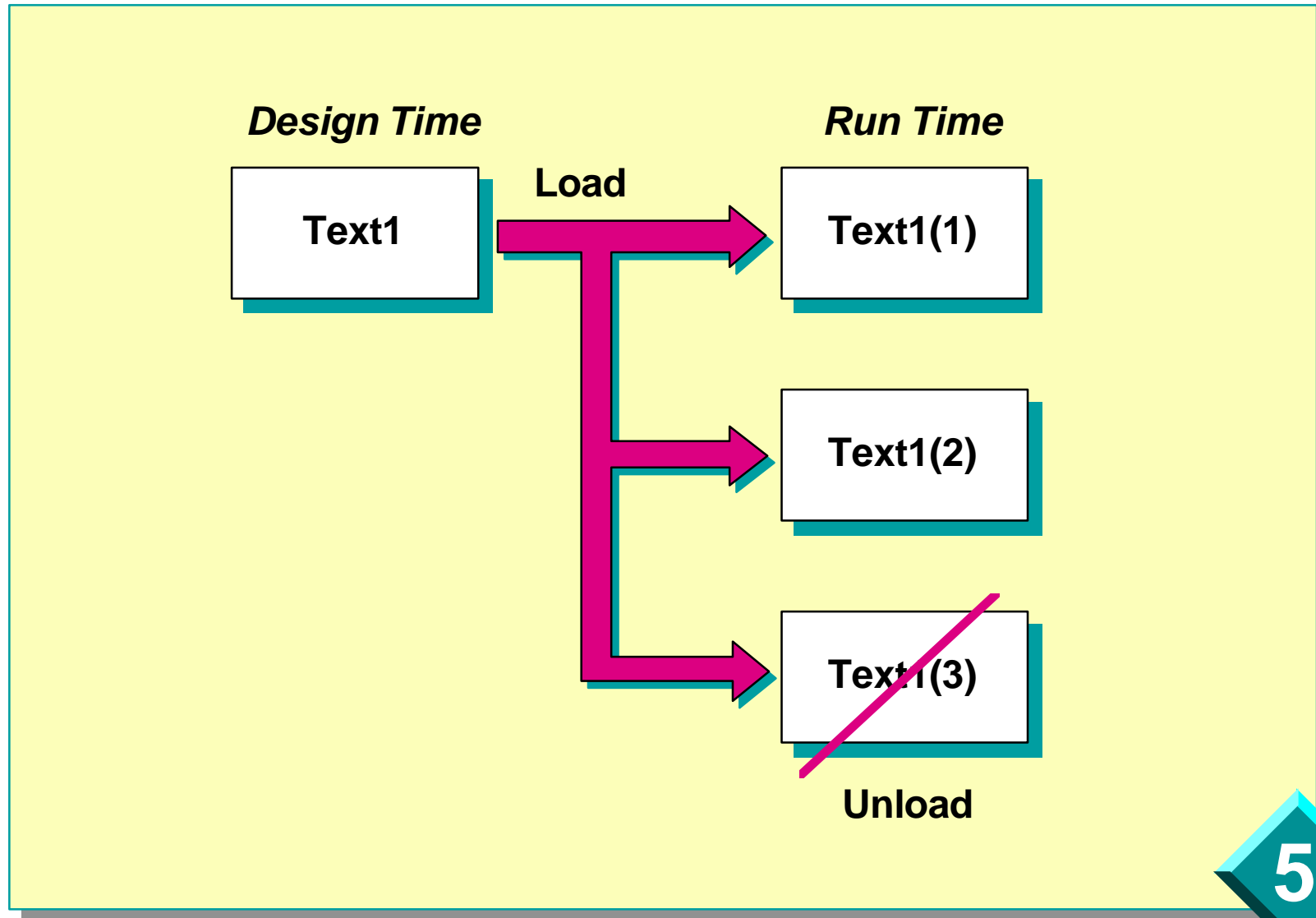
◆ Overview

- How to Build an Array of Controls
- How to Add and Delete Controls Dynamically
- How to Use the Visual Basic Controls Collection
- Creating and Using Object Variables
- Arrays of Object Variables
- An Array That Refers to Objects on Multiple Forms

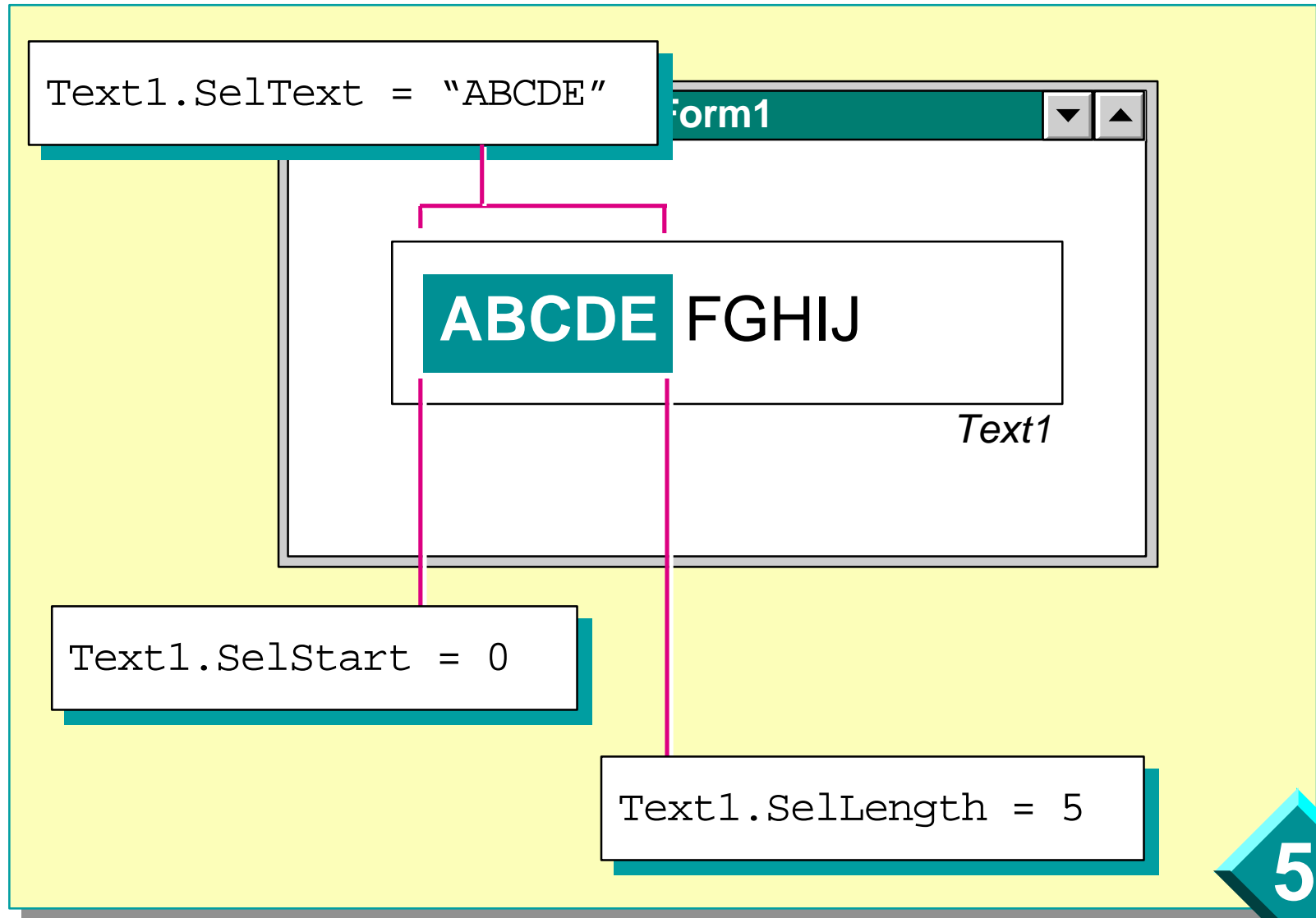
What Are Control Arrays?



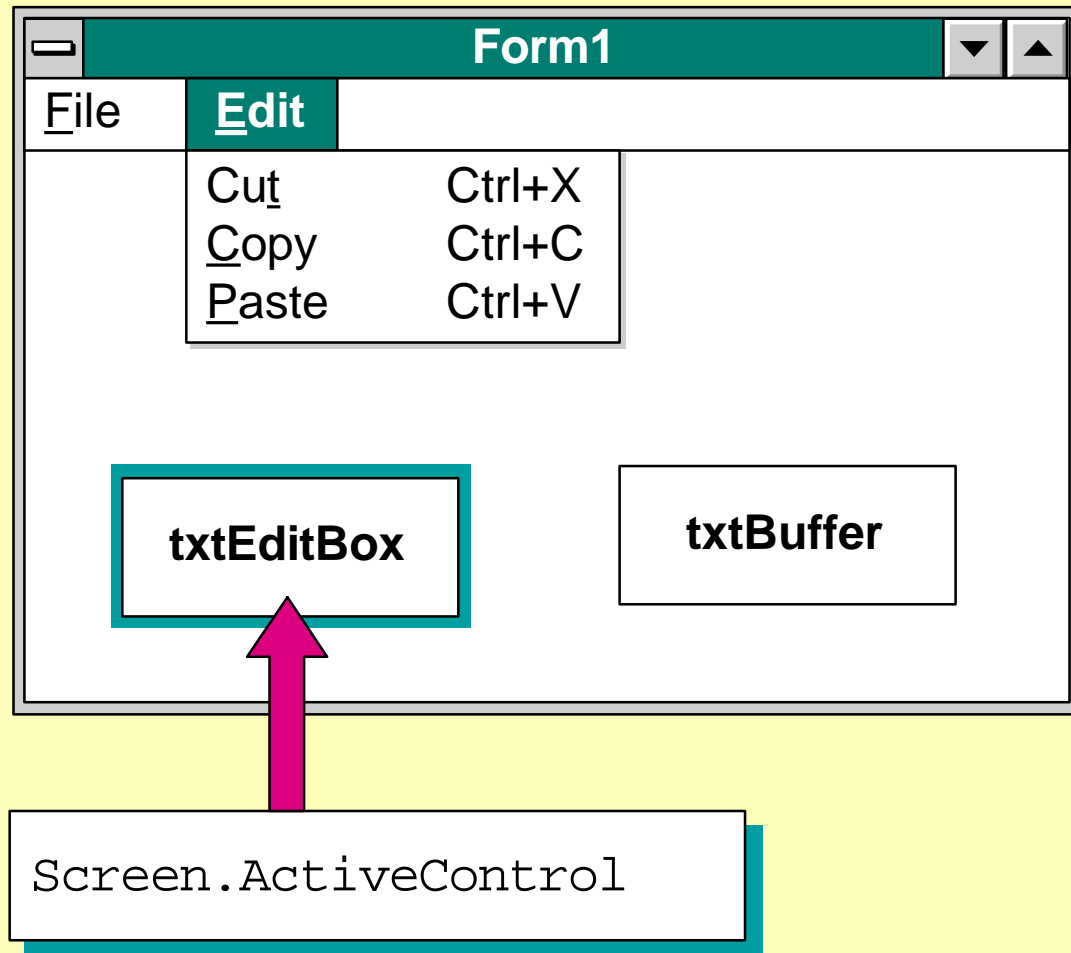
Creating Controls Dynamically



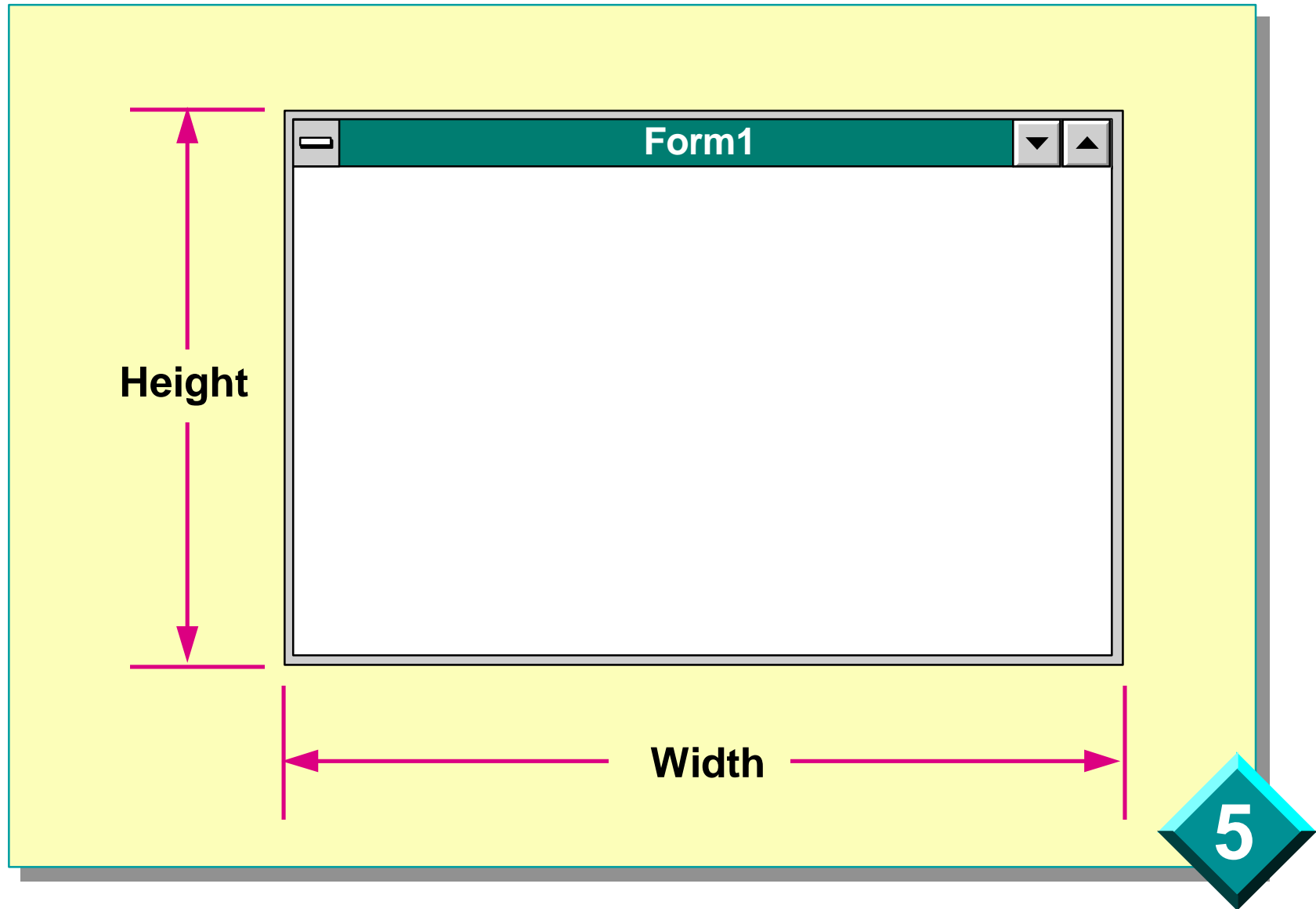
Working with Selected Text



Editing the Active Control



You May Need to Expand a Form to Fit New Controls



The Controls Collection

■ Using the Controls Collection

- **Controls(i)** - Object Variable Array; Element /Control
- **Controls.Count** - Property of Controls Collection
- e.g. Controls(3).Text = "Hello World"

■ Test Object With: **TypeOf object Is class**

- e.g. **If TypeOf Controls(i) Is TextBox Then**

Creating and Using Object Variables

- Object Variables are “Alias” Pointers for Objects

```
Dim txt As TextBox  
Set txt = txtLastName
```

```
Dim gen As Control  
Set gen = txtLastName  
Set gen = lblLastName
```

- Release Object Variables when Finished Using

`Set ObjectVar = Nothing`

Arrays of Object Variables

```
Dim cmd(5) As CommandButton
```

An Array That Refers to Objects on Multiple Forms

- In a .BAS file

```
Global cmd(15) As CommandButton
```

- In the Startup Form's Form Load Event

```
Set cmd(1) = Form1.cmdLoad  
Set cmd(6) = Form2.cmdLocate  
Set cmd(11) = Form3.cmdFilter
```

Summary

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