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VBA - PRIVATE VARIABLES (SHORT)

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PRIVATE VARIABLES

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Declared at top of module (before Subs)  
Available to all Subs in that module only  
Cannot access from other modules

Declaration:  
Private counter As Integer

Example:  
' At top of module  
Private counter As Integer

```
Sub IncreaseCounters()
    counter = counter + 1
    MsgBox "Counter is now " & counter
End Sub
```

```
Sub ShowCounter()
    MsgBox "Current Counter = " & counter
End Sub
```

Result:

- Both Subs share same counter
- Counter keeps value between calls
- Run 1: counter = 1
- Run 2: counter = 2
- Subs remember the value

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SCOPE COMPARISON

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Scope	Where	Available To
Local	Inside Sub	Only that Sub
Private	Top module	All Subs in module
Public	Top module	Entire project

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KEY POINTS

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- ✓ Declared with Private at module top
  - ✓ All Subs in module can use
  - ✓ Cannot access from other modules
  - ✓ Value persists between Sub calls
  - ✓ Better than Public (limited scope)
  - ✓ Use when multiple Subs share data
  - ✓ More secure than Public
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