

VBA data types

Type	Description
Variant	any data type
Integer	(2 bytes) integer
Long	(4 bytes) integer
Single	(4 bytes) floating point
Double	(8 bytes) floating point
String	non-numeric data
Object	any object reference
Date	a date
Boolean	True / False
Byte	1-255

Cell selection

select a single cell

```
Range("A1").Select
```

select a contiguous range

```
Range("A1:G5").Select
```

select a non-contiguous range

```
Range("A1:G5,J10:J15").Select
```

offset syntax (move from A1 to A2)

```
Range("A1").Offset(1,0).Select
```

select down to first empty cell

```
Range(Selection, Selection.End(xlDown)).Select
```

set a cell's value

```
Range("A1").Value = i
```

deleting, moving, copying (VBA)

Delete entire row

```
Rows("2").Delete
```

Delete entire column

```
Columns("B").Delete
```

Copy / paste a range with destination

```
Range("A1:B6").Copy Destination:=Range("A1")
```

Clear a range

```
Range("D:D").Clear
```

Delete a worksheet

```
Worksheets("Sheet2").Delete
```

Execute a formula calculation in a range

```
Range("A1:A3").Formula = 2*2/6
```

Use RANGE to select single cells.

Cheatographer



guslong

cheatography.com/guslong/

Iterate through a selection

```
Dim cell As Range
```

```
For Each cell In Selection
```

```
...
```

```
Next cell
```

Control structures VBA

Do ... Until Loop

```
Do [Until condition]
```

```
...
```

```
Loop
```

Do ... While Loop

```
Do [While condition]
```

```
...
```

```
Loop
```

For...Next Loop

```
For counter = start To end [Step s]
```

```
...
```

```
Next [counter]
```

"WITH" syntax

```
With Worksheets("Sheet1")
```

```
.Rows
```

```
.Columns
```

```
...
```

```
End With
```

The "with" construction provides a shorthand way of accessing many properties and methods of the same object.

Cheat Sheet

This cheat sheet was published on 13th August, 2012 and was last updated on 13th August, 2012.

String functions

InStr ([start], "string", "what_to_find")	Returns position of string within a string
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StrConv("string", vbProper Upper LowerCase)	converts string to proper upper lower case
---	--

Left ("string", x)	Return specified
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Len ("string")	Return length of string
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Trim ("string")	Trims string of leading and trailing spaces
-----------------	---

Split("string", ",")	Split string by delimiter e.g. comma
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Val("string")	Return numerical part only
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StrComp("strA", "strB", vbTextCompare)	Compare two strings (0=true)
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VBA information functions

IsArray

IsEmpty

IsError

IsMissing

IsNumeric

IsNull

IsObject

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