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Programming & Web Development Community

VB6 Reference Sheet

Variable Declaration
```
Dim <variable_name> As <data_type>
```

Data Types
Boolean, Byte, Currency, Date, Double, Integer, Long, Object, Single, String, Variant

Type Declaration
```
Dim <variable><suffix>
```

Suffixes
% - Integer, $ - String, @ - Currency, & - Long, # - Double, ! - Single

Comments
```
' Use the apostrophe like this.
```

Arithmetic Operators
+(add), -(subtract), *(multiply), /(divide), \(integer divide), Mod(remainder), ^(power)

Logical Operators
AND, NOT, OR, XOR, IS, EQV, IMP, LIKE

Comparision Operators
=(equal to), <>(not equal to), <(less than), >(greater than), <=(lesser than or equal to), >=(greater than or equal to)

Bitwise Operators
AND, OR, NOT, XOR

IF/Else
```
If (<condition>) Then
   <statments>
Else
   <statements>
End If
```

Inline IF
```
variable = IIF(<condition>,<value if true>,<value if false>)
```

Case Statement
```
Select Case(<expression>)
   Case(<expression 1>)[:]
     <statements>
   Case (<expression 2)[:]
     <statements>
   Case(<expression n>)[:]
     <statements>
   Case Else[:]
     <statements>
End Select
```

For Loop
```
For <counter> = <startvall> To <endval> [Step <Increment/Decrement>]
   <statements>
Next [<counter>]
```

Do-While Loop
```
Do While(<expression>)
   <statements>
Loop
```

Do-Loop-While
```
Do
   <statements>
Loop While(<expression>)
```

Do-Until Loop
```
Do Until(<expression>)
   <statements>
Loop
```

Do-Loop-Until
```
Do
   <statements>
Loop Until(<expression>)
```

While-Wend Loop
```
While <expression>
<statements>
Wend
```

For-Each Loop
```
For Each <element> In <Group/Object>
   <statements>
Next [<element>]
```

Arrays
```
Dim <varname>(<MaxIndexVal>) As <DataType>
Dim <Varname>(<MinIndexVal> To <MaxIndexVal>) As <DataType>
```

Change Array Length
```
ReDim <varname>(<MaxIndexVal>)
```

Procedures
```
[Private/Public] Sub <name>(<ArgumentList>)
   <statements>
End Sub
```

Functions
```
[Private/Public] Function <Name>(<ArgumentList>) As <Return_Type>
   <statements>
   <Name>=return_value
End Function
```

Argument List
```
Sub/Function <name>([Optional] argument1 as Type, argument2 as Type,...)
```

Calling Procedures/Functions
```
[Call] <Name>[(ArgumentList)]
```

File Handling
```
OPEN <filename> for <mode> as <#handler>
mode: INPUT, OUTPUT, APPEND
```

For reading fields from a file into variables
```
INPUT <#handler>, <variable list>
```

For reading the entire line in the file into a single string
```
LINE INPUT <#handler>,<string_variable>
```

For Writing Data
```
WRITE #1, <variable/constant/expression> 'Data with quotes
PRINT #1, <variable/constant/expression> 'Data without quotes
```

To Close the Data File:
```
CLOSE <#handler>
```

Simple Error Handling
```
On Error Goto <LineNumber>
On Error Goto <Label>
On Error Resume Next
```

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Edited By: born2c0de, Louisda16th, William_Wilson
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