



Quick reference Visual Basic 2010-2011



Operators	
+ - * /	Addition, subtraction, multiplication, division
\	Integer division (quotient)
Mod	Modulus (remainder)
^	To the power
&	Concatenation
= > < >= <=	Comparisons
Not And Or	Basic logical operators
Xor Eqv Imp	Extended logical operators

Data types			
Integer	Short Integer (2 bytes)	%	CInt
Long	Long Integer (4 bytes)	&	CLng
Single	Real simple precision (4 bytes)	!	CSng
Double	Real double precision (8 bytes)	#	Cdbl
Boolean	Logical, Boolean (binary)		CBool
Date	Date (8 bytes)		CDate
String	Character string (4 bytes + ...)	\$	CStr

Input/output instructions	
InputBox	Data reading dialog box
MsgBox	Data writing dialog box
pct.Print	Writing in a picture box
pct.Cls	Cleaning a picture box

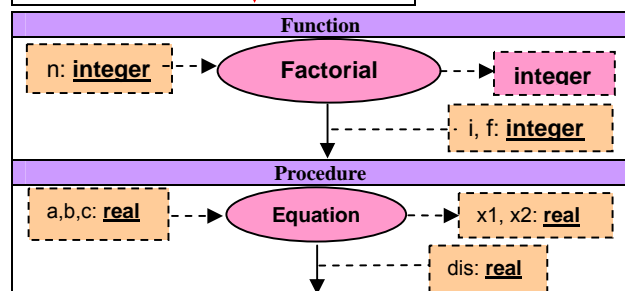
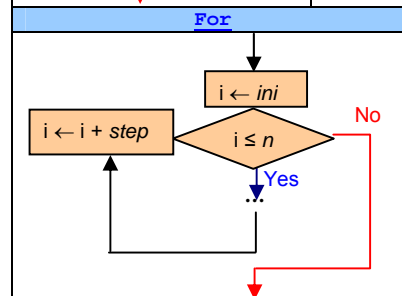
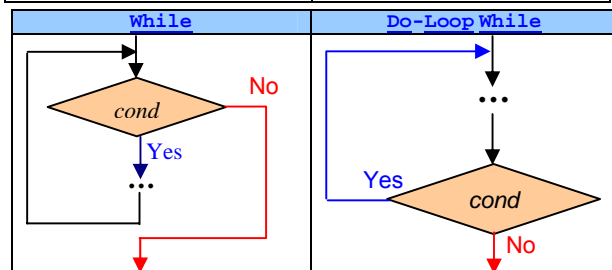
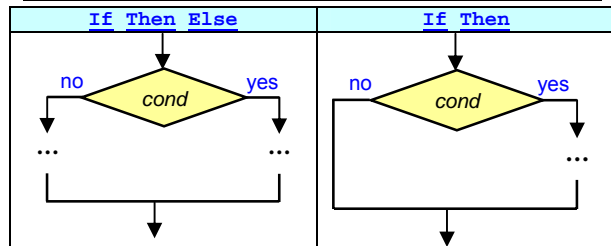
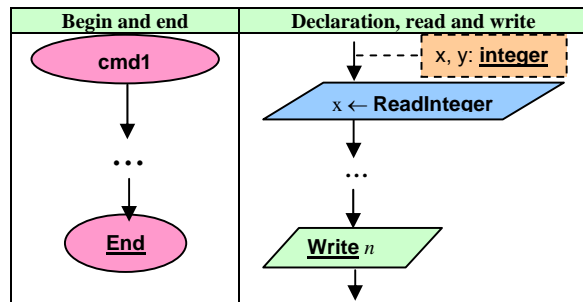
Constant and variable declaration	
Const name As type = value	
Dim name As type	

Conditional sentences	
If condition Then	
...	
ElseIf condition Then	
...	
Else	
...	
End If	

Repetitive sentences	
While condition	
...	
Wend	
Do	Do
...	...
Loop While condition	Loop Until condition
For i = ini To n Step setp	
...	
Next i	

Procedure and Function definition	
Function name ([parameters]) As type	
...	
name = ...	
End Function	
Sub name ([parameters])	
...	
End Sub	

Functions and miscellaneous instructions	
IsNumeric	Verify if a string represents a correct number
Val	Numerical value of a string
Rand	Random number in (0, 1]
Randomize	Reinitialise the seed
Date	System date
Day/Month/Year	Day/Month/Year of a date
Sqr	Square root



String functions	
Mid	Substring
Asc	ASCII code of a character
Chr	Character of an ASCII code
Len	String length
Ucase	Convert into uppercase
Lcase	Convert into lowercase
Format	Format data

Vector limits	
LBound	Lower limit
UBound	Upper limit

The purpose of this summary is not to show the whole syntax of VB but those parts seen during this subject.