

WHILE

WHILE

Format

WHILE condition ::program..... :: WEND

Cross Reference

WEND, FOR-NEXT, IF-THEN-ELSE

Description

The WHILE statement starts a loop which is executed repeatedly while the WHILE 'condition' is true. The loop is terminated with a WEND statement.

'Condition' is a logical expression, numeric or variable that WHILE evaluates. If the 'condition' is TRUE (or a non/zero value, i.e. condition <> 0), the program then loops between the WHILE and the WEND statements. When the condition is no longer TRUE (false or condition = 0) WHILE passes execution to the statement after WEND.

Unlike FOR-NEXT statements WHILE-WEND loops may NOT be nested.

Example

```
100 WHILE S=0 THEN 110
110 CALL KEY(0,K,S)
120 WEND
130 ..... program lines
140 END
```

This short routine checks the entries into the keyboard buffer until it is empty then proceeds to the rest of the program. The keyboard is said to be "Flushed".

```
100 REM WHILE TEST
110 WHILE NAME$ <> "LAST"
120 READ NAME$, PHONE$
130 COUNT = COUNT + 1
140 PRINT NAME$; TAB(20); PHONE$
150 WEND
160 PRINT "NUMBER OF NAMES="; COUNT
170 PRINT "WHILE HAS BEEN EVALUATED TO FALSE"
180 DATA MYARC, 201-766-1700
190 DATA JIM UZZELL, 201-000-0000
200 DATA LAST, LAST
```