

QBASIC Notes



ALGORITHMS & PSUEDOCODE
REM, PRINT, END

Problem Solving



- Goal of programming: To solve a problem or make a process easier.
- **Algorithm** – An approach to achieving this goal (How will you do it?)
- **Pseudocode** – A step by step algorithm written in English.

Sample Psuedocode

Finding an Average



- Gather up the data elements to be averaged.
- Add up all the data.
- Divide by the number of elements added.

PRINT Command



- Used to create output to the monitor
 - Can print **string literals** using quotes
 - ✦ Print “Hello User!”
 - Print commands without a semicolon at the end cause the outflow cursor to move to the next line.
 - Semicolon at the end keeps outflow cursor at current spot
 - PRINT with nothing after creates a blank line.

LOCATE command



- General form: LOCATE row, column
- Function: Moves cursor to the row and column specified.
- There are 25 rows and 80 columns
 - Cannot locate row or column 0 (or less)
 - Cannot locate row 26+ or column 81+
- Example: **LOCATE 13,40** would move outflow to appx. middle of screen.

REM Statement



- **Short for Remark**
 - Lines not executed by program
 - Use for documentation
 - Can Use single quote instead (')
- **At the start of every program**
 - REM <Your Name>
 - REM QBASIC <Hour>
 - REM <Program Description>

END Command



- Causes program to stop interpreting.
- Every program should have an END...make it your first step.

SLEEP



- **General Form: SLEEP X**
 - Where X is an integer (no decimals)
 - Pauses processing for roughly X seconds.
- **Example: SLEEP 2**
 - Pauses processing for about 2 seconds
- **Very helpful in debugging**

CLS Command



- Clears the output screen.
 - General form: `CLS`
- Usually used at the start of a program.
- Often used in the middle somewhere when a change in screen is needed.