

QBASIC - LAB EXERCISE - Prof. Richard B. Goldstein

QBasic operates within the DOS simulation mode from Windows XP.

- (1) Triangle area problem
 - (a) Enter QBASIC from the start menu | All Programs | programming.
 - (b) Press <Esc> to avoid the help screen.
 - (c) Type the program given on the sample short problems. After each line press the <Enter> key. You may edit much like any simple word processor.
 - (d) Save the program by typing Alt+F or clicking on File. Type S (save) and the name of the file may be: a:\area or b:\area.
 - (e) Run (execute) the program by typing <F5>. Press any key to continue.

- (2) Concentric circle problem.
 - (a) Clear the memory of the old program by Alt+F or clicking on File. Type N (new).
 - (b) Enter the following program:

```
CLS
INPUT "Center: ", X, Y
INPUT "How many circles"; N
SCREEN 12
FOR I = 1 TO N
  CIRCLE (X,Y), 10*I, I
NEXT
WHILE INKEY$ = "": WEND
```
 - (c) If you make a mistake you can edit the line in error. Save the programs as a:\circles or b:\circles. Run the program by pressing <F5>.
 - (d) Note that if you ask for more than 16 circles, the additional ones will be white. Also, only that part of the circle that is within the bounds of screen 12 (a 640 by 480 pixel screen) will appear.
 - (e) Exit by Alt-F or clicking on File. Choose X (exit).