Homework 1 - Lecture 1

Issued Lecture 1 – due Lecture 2

1. Write a step-by-step procedure for constructing a Hello Program. Being from how you open VB’s IDE to constructing the executable (.EXE). Use diagrams and code if this will make your procedure more clear. (10 points)

2. Construct the following GUI and use appropriate prefixes with your components:

   ![GUI Diagram]

   Write code such that the user’s option choice displays the option’s caption (Yes, No or Maybe) in the textbox. Submit actual printouts and screen shot if you can. (See Snag It software on web page). You’ll be asked to demo your program. (10 points)

3. Give concise answers (a few sentences) of the following (10 points, 2.5 points each)
   A. What is an IDE?
   B. What is an API?
   C. What is ActiveX?
   D. What are Visual Basic components?

4. Sketch a schematic to interface the 8255 to a 5804 stepper motor chip. The 5804 spec-sheet is on the class web page. Write a Turbo C program (not pseudo-code) that prompts the user for the stepper’s resolution, and then rotates 180 degrees. Also submit code printout. You’ll be asked to demo your program (15 points)