Homework 2 - Lecture 2

1. Construct a four-function calculator (adds, subtracts, multiplies and divides). You can use any input method you wish. (10 points) – You’ll be asked to demo your program. Submit hardcopy of your code.

2. The input dialog box that compares two numbers is buggy. If the user hits cancel instead of entering a number, VB complains of a run-time error. Fix it. (10 points) – You’ll be asked to demo your program. Submit hardcopy of your code.

3. Identify and correct the error(s) of the following (16 points, 2 points each)

   A. Dim False As Integer  
   B. Dim valueOne, valueTwo As Integers  
   C. A+B=C ‘ add A, B and assign to C  
   D. If(x>y) print x

   Give concise answers (a few sentences) of the following

   E. What does Option Explicit in a VB program do?  
   F. Explicitly declare variables cj, vendor, and num to be type Integer  
   G. In Visual Basic, what’s a field?  
   H. What are the ways to get user entered input?

4. Draw a schematic for interfacing a SPDT relay to an 8255 PC interface card. Include the 74374 chip as a buffer (74374 spec sheet on class web page). Write a working Turbo C program that will turn on/off a relay. Include a hardcopy printout of source code. (10 points)