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CSC 205 HW1B

1. A. I took CSC 130, 185, & 201 here at the Manassas Campus with Dr. Carrington. I took CSC 202 at the Annandale Campus with Tanes.

B. i. I have little or no experience in this field.

ii. No experience

iii. I know my way around a Windows computer. I am also familiar with Ubuntu but not as much as a Windows.

iv. All my classes have been in Java and that is the only language that I know how to program in.

v. No experience in the professional communities except for what was on the slides during the PowerPoint presentation.

2. A. The main features of the von Neumann Model are a CPU that contains Registers, and ALU, an Input/Output system, and a Control Unit. In the Registers there is a Program Counter and there is also the Main memory. The Control Unit manages the process of moving data and the program into and out of the memory through the I/O system. The Main memory holds both the data and also the program that the computer is processing. The ALU does the calculation on the data (ex. +,-,\*,/,<,>,=). The Registers recognize the program that is being run and holds the data that is being processed in the program.

B. The general purpose of the von Neumann Model uses a fetch-decode-execute cycle. The memory is the starting point for the von Neumann Model. If there was no memory component then there would be no place for the program or data to be stored, therefore the von Neumann Model would fail.