**CSCI 465/680-J9 Quiz 2 – COBOL Fall 2019**

**Study Guide**

**Quiz 2 is worth 25 points and can consist of multiple choice, true/false, fill-in-the-black, short answer and long answer questions.**

**You should know how to do the following:**

1. Know the four divisions of a COBOL program.
2. Know the difference between columns 7, 8 through 11 and 12 through 72 of COBOL source code.
3. Know what can be included in the Identification Division and what is required by the compiler and what is required in our class.
4. Know what can be included in the Environment Division and what is required.
5. Know what can be included in the Data Division and what is required, i.e., the differences between the FILE SECTION and the WORKING-STORAGE SECTION.
6. Know the COBOL arithmetic verbs ADD, COMPUTE and COMPUTE ROUNDED.
7. Know how to "count bytes" given various numeric fields of various data types.
8. Know how to use the COBOL intrinsic CURRENT-DATE function.
9. Know how to set up various levels of working storage fields and data.
10. Know the difference between PIC 9 fields and PIC X fields.
11. Know the use of the letters S and V in a field definition such as PIC S9(5)V99.
12. Know how to use any of the COBOL verbs required to complete your first two COBOL programs: OPEN, CLOSE, STOP RUN (or GOBACK), READ AT END, READ INTO AT END, WRITE, WRITE AFTER, WRITE FROM AFTER, PERFORM (both inline and not inline), PERFORM UNTIL (both inline and not inline), COMPUTE, COMPUTE ROUNDED, MOVE, and MOVE CORRESPONDING.
13. Know how to use IF, IF ELSE and IF ELSE IF ELSE IF ELSE structures in COBOL.
14. Know how to code a structured read until end of file loop in a COBOL program.
15. Know how to define numeric fields in display (zoned decimal), packed decimal and binary. Know how to force binary fields to the appropriate next boundary and know what slack bytes are.
16. Know how to define various numeric-edited fields with -, +, $ (with or without CR or DB), commas (,) and decimal point (.).
17. Know when it is best to use packed decimal fields as opposed to binary as opposed to display (zoned decimal).
18. Know what numbers will look like in storage if moved to either display (zoned decimal) or packed decimal fields.
19. Know how to initialize various data types.
20. Know where and when we can initialize data fields.

**In general, know everything you did in Assignment 5.**