CSC 401-720 Intro to Programming

Final Exam Instructions and Study Suggestion

- Please register in D2L (Proctored Exam Registration) to schedule a day and time to take the proctored Final exam. You may schedule a time to take the exam from **Wednesday, Nov. 15th through Monday, Nov. 20th**.
- If you cannot take the exam at one of the DePaul campuses (Loop, O'Hare), you must arrange for a proctor. Please see Proctored Exams at http://www.cdm.depaul.edu/onlinelearning/Pages/Exams.aspx for more information.
- You will have 2.5 hours to take the exam.
- The exam will consist of **problem solving, reading and writing Python code.**
- The exam is closed book, closed lecture note, etc.
- The only support material you may bring are **two 8-1/2 by 11 sheet of notes** (front and back) as reference. Include your name on the sheets and submit the notes with your exam.
- You may **NOT** use any electronic devices (includes: computers, tablets, cell phones, etc.).
- The exam will be based on the material covered from Week 1 through Week 9 and the reading assignments for those weeks (chapter 2 – 8, and chapter 10 sections 10.1, 10.2 (Recursive Number Sequence Pattern and Linear recursion)).
- Following is a list of topics you should review. These are topics covered since the midterm exam. Of course, you must be knowledgeable and fluent in the material covered before the midterm exam as well. I cannot list every single detail, so consider this to be just a summary:
  - Loops
    - Nested loops
    - 2 Dimensional loops
    - While loops
    - Loop patterns
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  - Data types
    - Lists
    - Dictionaries
      - (key, value) pair
    - Sets
    - Tuples
    - Strings
    -
  - Read/Write text and csv files
  - Scope and namespaces
    - Encapsulation in functions
    - Global and local variables
    - Passing parameters

- Returning data
- Program stack
- User-defined functions
  - Exceptions
    - Try/except blocks
  - Random Module
    - Random numbers
    - Random choices
  - Recursion
    - Base case(s)
    - Recursive case(s)

I recommend you review your assignments and fully understand the code.