**CMSC140 Programming Classwork/Homework**

**Develop**  A simple C++ program to display "Hello, CMSC140 CRN XXXX student First Name Last Name !" on the screen.

Name your file FirstInitialLastName\_CW\_1. cpp

**Submit:**

C++ file (source code): FirstInitialLastName\_CW\_1. cpp

Screenshot of output in Word Document - use your name, CRN, a semester in the file name, and also in the Word document.

**Example output:**

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Hello CMSC140 CRN 32222 class!

My name is First Name Last Name.

My major is Computer Science.

Nice to see you!

Today is September 1st.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Grading Rubric:**

|  |  |
| --- | --- |
| Grading Criteria | 100 Points |
| 1. File format requirements | 5 |
| 1. Word Document with following requirements listed below:    1. Algorithm/Pseudocode. (-10)    2. Screen prints of program run. (-10) | 20 |
| 1. Submit LastNameFirstName\_CW\_1.py file    1. Program passes sample data tests.  (-10)    2. Program passes instructor data tests. (-10)    3. Quality of detailed steps and screenshots as per requirements listed above. (-5)    4. Incorrect use of indentation, naming convention, etc. (-5)    5. Not meet input requirement(s)/Took input incorrectly  (-5)    6. Not display or produce all required output. (-5)    7. Not meet output requirements. (-10)    8. Not use required control structure(s), operator(s) or statement(s). (-10)    9. Not use variables, constants, and literals (-3)    10. Not declare and initialize all required data items (-3)    11. Not use output manipulator: setprecision, fixed, etc. (-4) | 70 |
| 4.  Submitted the deliverables as per the due dates specified in the course schedule. | 5 |
|  | 100 |

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Header to include in source code:

 \* Class: CMSC140 CRN

 \* Instructor:

 \* Project/<1>

 \* Description:

 \* Due Date:

 \* I pledge that I have completed the programming assignment independently.

   I have not copied the code from a student or any source.

   I have not given my code to any student.

   Print your Name here:

   \* Pseudocode or Algorithm for the program:

                (be sure to indent items with control structure)

                (need to match flow chart submitted in documentation)

  1.Declare a variable visitorName.

  2.Receive the input visitorName.

  3.Declare a variable num, and receive the input and store the data num.

  4.Caculate years, months, days, hours, minutes,seconds, human age, dog age and fish age.

  5.Declare variables num1 and num2.

  6.receive the input and store the data num1 and num2.

  7.using operator "+,/" to caclulate, and using cast expression to convert double.

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