**Information:**

* Homework files uploaded on: <https://cs.umb.edu/~aaditya/hw/03/>.
* Use the above given homework files and update the existing code.
* Required comment on top of the program file, please fill the following details:
  + Your Name,
  + Date when created file,
  + How you approached the solution
  + Challenges faced
* Following homework files need to be submitted on **Gradescope:***The filenames are case sensitive, kindly put all filenames as lowercase.*
  + program1.c – 20 points
  + program2.c – 15 points
  + program3.c – 20 points
  + readme.txt – 5 points
    - Students worked with:
    - Books/Websites consulted:
    - Time spent on homework (hours):

**Homework programs (3):***More instructions are given in the homework program files.*

1. program1.c - C Program to find the name of the Physician by querying by Specialization using structure.

*Output:*Enter the number of doctors: 3

Enter the name and specialization of the doctors: Sam dermatologist

harry radiologist

tom cardiologist

Enter the number of queries: 2

Enter the query (1): cardiologist

Result (1): tom

Enter the query (2): radiologist

Result (2): harry

1. program2.c - C Program to grade the student based on their Aggregate marks.

*Output:*  
Enter marks for subject 1 (out of 100): 90

Enter marks for subject 2 (out of 100): 90

Enter marks for subject 3 (out of 100): 90

Enter marks for subject 4 (out of 100): 90

Enter marks for subject 5 (out of 100): 90

Total Marks = 450

Grade A

1. program3.c - C Program to sort strings in Lexicographic order.

*Output:*

Enter word (1): aab

Enter word (2): aac

Enter word (3): aaf

Enter word (4): aae

Enter word (5): aaa

In the lexicographical order:

aab

aac

aaf

aae

aaa