

ISM240 - Assignment 5

Arrays

Academic Integrity Pledge

I HAVE ABIDED BY THE UNCG [Academic Integrity Policy](#) ON THIS ASSIGNMENT.

Student's Signature N. Holden Hughes Date 2/28/24

Submission instructions.

- Sign and date the academic integrity pledge.
- Save the academic integrity pledge in the solution folder and compress the entire solution folder with all the project files.

Turn in via Canvas as a single file.

Q1. Exam Scores Analysis (30 points)

Write a program that reads a set of exam scores from the *Scores.txt* file into an array. (5 points). **Points will NOT be given if you do not use Arrays.** The programming language should be C#.

Note: You can read all lines from the file using `File.ReadAllLines()` method.
e.g., `string[] readFile = File.ReadAllLines("Scores.txt");`

Compute and display the followings:

- a) The total of the array's values (5 points)
- b) The average of the values in the array (5 points)
- c) The largest and the smallest value in the array (5 points)
- d) The median of the values in the array (5 points) (sort the array using `Array.Sort()` method and get the middle value)
- e) Receive a value from a user using the `Console.ReadLine()` method and check whether the array has that value.