

## CIS 366 Introduction to .NET Development using C# (Spring 2019)

### Assignment 8

#### Requirement

This assignment is to help you understand the algorithm of binary search. In this assignment, you do not need to program, you will be given a testing input to manually go through and show how the algorithm works step-by-step to search element in the testing array.

Task: Manually go through the **binary search** process for element 8 in the array of: 3, 5, -1, 9, 6, 8, 4, 2, 13, 7, 5. Show the value of *first*, *last*, *middle*, *position* and *found* in each iteration.

#### Submission

Document the procedure of both algorithms and show the values of each key variable within each iteration in a Word document and save it as (yourlastname)\_a8.pdf. Submit your PDF file to the Blackboard dropbox as an attachment.