

**CSC 2310 – Spring 2016**  
**Homework #5**  
**Due 7/4/2016 11:30 pm**

***Submission Requirements***

*You must turn work at the SPECIFIED TIME so you can receive credit for Homework! Homework 5 **must be submitted on brightspace** by the due date and time. Late homework will be subject to a penalty, as stated in the course grading policy. No email or hard copies of homework will be accepted.*

*You may discuss the assignments with other students in the class, but (as stated in the academic honesty policy) your written answers **must be your own**, and you must list the names of other students you discussed the assignment with.*

1. Write a modified version of selection sort algorithm that selects the largest element each time and moves it to the end of the array, rather than selecting the smallest element and moving it to the beginning.
2. Write a modified “dual” version of the selection sort algorithm that selects both the largest and smallest elements on each pass and moves each of them to the appropriate end of the array.