Pharos University in Alexandria Faculty of Engineering Computer Engineering Department Spring 2020 - 2021



Course Name: Advanced Algorithms and Data Structures Course Code: EC235 Lecturer: Prof. Dr. Saleh S.

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Project (1)

- Write a program that works as follow:
 - The user is allowed to choose from a printed menu the list to be sorted as follow:
 - 1. Sorted List
 - 2. Inversely Sorted List
 - Then the user is allowed to choose the specific sorting technique to be applied to sort the previously selected list, among the 6 listed ones:
 - 1. Merge Sort
 - 2. Quick Sort
 - 3. All of them
 - The program should determine the number of comparisons, assignment statements and swaps done for each sorting technique.
 - The program should display a comparison among the sorting techniques' regarding the number of comparisons, the assignment statements. That's when the user choose <u>all of them</u>.