CO322 - Lab 02

Quick Sort & Merge Sort

January 26th, 2017

1 Aim

At the end of this laboratory class, a student should be able to;

1. implement the **quick sort** and **merge sort** algorithms,
2. test the implementations for suitable test cases.

2 Exercise

Task 1 Implement the above two sorting algorithms using Python.

Task 2 Then, check if the implementation is correct. For this you should decide on suitable test cases and test the implementation. Make sure you consider about the possible corner cases that might break your implementation.

3 What to submit

Python implementations of the simple sorting algorithms, the test cases and the code used for testing.

3.1 Plagiarism

We will check the code for Plagiarism. If we find code which matches over 80% for the simple sorting algorithms, zero marks will be offered for both submissions.