

## Lab 3 Assignment

Write a code in C++ which will implement the QUICK sort algorithm discussed in class. You have to modify the algorithm in such a way that the PIVOT will be always close to median value so that runtime complexity  $O(n \lg n)$ .

Sample:

Input: 10 1 8 2 3 9 6 5 7 4

Output: 1 2 3 4 5 6 7 8 9 10