DS Lab (CSN 261)

Assignment 3

Q 1. WAP for median detection in an unsorted array.

Q2. There is an unsorted array of n elements. Three elements are picked randomly x, y, z; such that x <= y <= z. Find the value of x, y, z such that |y-x|+|z-y| has maximum value for all possible combination of x, y, z.

Q3. WAP to reverse a linked list such that both its data, and the pointers are reversed.
Eg. Input: START -> 1 -> 2 -> 3 -> 4
     Output: 4 <- 3 <- 2 <- 1 <- START

Link for submission : https://www.dropbox.com/request/KBx9vMB154pbF9W6IvtN?oref=e