

1. Write a **MIPS procedure** for implementing divide-by-255 algorithm without using any multiplication or division instruction.
2. Given an array **arr[]** of **N** distinct elements and a number **K**, where **K** is smaller than the size of the array. Find the **K'th** largest and smallest element in the given array.
3. Given an integer array, print the Longest Increasing Subsequence of the array.