

Assignment_1

Write an MIPS program to print all the prime factors of a number.

Write explicit function calls for the prime factor calculation.

Example: When the input is "12", then the output should be "2 2 3".

Assignment_2

Write a MIPS procedure for implementing divide-by-255 algorithm without using any multiplication or division instruction.

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.

Given an integer array, print the Longest Increasing Subsequence of the array.

Assignment_3