Lab3

Task 1

To find Hi >14; Forz, ikj in efficient way we can use merge sort. As we know morroge sort sis to time complexity 120 O(n bogn). So, if we use merge goret and while merging It we have to assign the good array's value in the temporary an Ray then i've can say that Hi) His for ici, as second farrance index is bigger than first array.

out d'Grul gaigaine et bouig ant me. a liet

To find A [:] + A[:]? maximum value in a armon with this formula in Ochlogn), we cam use divide be conquere algorithm. We can divide the anna into two want it is longly is 2. Then we would find two ratios from lend urray and Right airray, then, we would find man from last side and absolute man afrom right side, then, we can compune and szeturzy man modmin value.

months mask 3 stor HK M Kith of

We know, We have to choose Expired and shift every value to lost, & smaller than the phot, and to right. every rest greaters value that the pivot. By doing this are can sort ananray. In may cade, I choose last as privat and put every smaller value in 1844 of the plud by swaping with two printer

Task 4

I find the whomelest value from a unitary by modifying The quick sont a little. After choosing a pitot, if the position equals to kithen we know that their position's element jus a With signallist value, However rather that we don't find position equal, them it posts greater, then we recurring last subarrangy and it posts smaller. The we will repur in right subarray.