DAY-19

Sorting Algorithma

used to reasoning a given array or list elements according to elements.

is used to decide the new order of element in the respective

Enough: -

imput-> Pikach u

sorted of Pachiku

ASCII value will be placed first than the character with higher ASCII value

Quick 9067!algorithm with worst case fine complenity of [n2] Implementation: > com be implemented both iteratively and recurively. But: -> recursive is more convenient, intuitive and simplestic Not, iterative. three posts. portitioning the array (st) 2. Passing rue smaller arrays (13/4) to the recursive cally that are returned from the recursive call and the pirot. -> will use lets use the first element of pivot =) Elementa smaller mon or equal to the piret will go to the left of the frontier (imagine à frientier nent to the pivots. -> while greater ones will stay at right.

-> traverse till the end of trubish Now; -> swarp the pivot withe the element just before the pretenting *) left and right (to pivot) arrays are pursed to tre remedisé call. > teen, finally join the sorted arrays (givet will be In between them. def Queboct (arr): elements = lon (arr) if elements 22: # Bode was actual our our pos = 0 # posit tre partition ele. for in range (, elementa): H partito n'ap cuss-pos+1 femp = arrul artij = dir [carr-bos] = temb forme = arr [0 arr [0] = arr [curr -pos] as fluxx-pos = temp Veft : Quick doct (977 [o: curre pos]) right = Quick Port (arrieur-pos: 0) OTT = left + [arr [curr-pos]] + right return grr