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Paper contains Quick Sort.

Quick Soxt 13 1 4 1 5 9 2 6 5 3 5 8 9 i i < swap > j 3121534653589 Because i>j > swap 111213[594653509] JED 9 4 6 5 3 5 8 9 i ( swap > j 534659589 Vjij8 Because isj >> swap 4315)659589 J. Pivo+ 14 3 i gows cit 34 Page 1

# write a program to implement Quick sortby Python language used. def Pivot-LockList 1, first, last]: binot = lict of tiret] lett = tiss++1 813pt = 128t White Frenc. Mhile left <= sight and left I [left] <= pivot: convile left <= right and tict [ right] >= knot: :+791> +41018 Ai else

seturn right = |ist[sight] | ist[tird]

[ist][tirst] , |ist] = |ist][sight] = |ist][sight] | ist][left]

[ist][tirst] | left] | left] | list[left]

det quick\_sort (list 1, first, last): if first<108t: P = Pivot\_loc(tist 1, first, tast) Paick\_soxt (last 1, first, P-1) quick\_cost (tast1, P+1, last) # main list1=[] n = int (input ("Enter list length")). Brimt (" Enter number :") for i in range (n): data = int (input()) list 1. append (data) quick a sost (list 1,0, n-1) Print (list 1)

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