Task-8. Implement various searching and sorting derat. ions in Pathon Programming To Implement various searching and sorting oferations in Rython Rogramming. E.I A company stores employee records in a list of dictionaries espece each dictionary confoinsid name and desortment. write a function find - employee by id that takes list and i adtigo Bla ". Instinition: 2. Define the function find. employee by id that takes a a list of dictionaries comployers where each dictionary regressing an emblosed record with kensel name and b. An integer (target-id) refresenting the employee in to 3. Iterate through the list: use a for loop to iterate through each dictionary in the employees liet. check for motohing w: P. within the loop check if the id field of the current dictionary motobes the target-id.

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Brogram def find employee by id comployees torget id): for employee in employees: if employee [:4:]== torget-id: return employee refurn none # rest the function 50 Soldwa Entra only E.iq. ', nows. , tylics, , qe Jarywey .. , HSi3 Eig.: 5, volube, gop, 'gobalment: Endinberind. 3 E.19.13 "walle, charlie, gebartment, sales, 3 Print (find-employee-by-idlemployees 2)) 18

tel med employed toxald controver torget it. -99 Kaly 119 (ri gakalitang rat : 61 toprot - 1-6: 1 ookatuus di gayalymo andor across crotor out Put :-Beforesorting: 86.3 Jours 1.06. 3016.0.86.3 iller Just Boby, and Boby, and E name in Copallies societistes partires. E name ling Bana, , scor6 1:82 3

£.5 You are developing a grade management existen for a school the system maintains a list of student records mpere eachtecory is represented as a gictionary compaining a student's name and score. Horithm: ". Initialization: -> Get the length of the students list and store itim. 2. outer 100P: > Iterate from iso ton-1. This loop refresents the number of Passes through the list. 3. Trock Swab. => Initialize a boolean variable swapped to false This voriable will track if any swaps are made in the CUTTENT PASS. 4. INVEL 1006: > Iterate from j = oton-i-2. This loop compares adjacent elements in the list and Performs swaps if necessary. 5. completion. The function modifies the students list in Place sorting it by score. grogiam. del papple-sout-scores (students): n=ten (students) for e: in rande (1); # Track if any swap is made in this Pass

smalleg : take for i in range (on-i-). if students [i] I till students < [ignosi] [i] students [i] [iscore] It swap is the score of the current student is great. ex than the next students [I] students [i] = students Eith Students [1] Swapped = THE. steil adt politions arom strample owton II # already sorted. it not swaffed. PIEOR # Example usage Stydents=[. { 'name': 'Allice', 'score: 88} ['name': '80b', 'score !: 95} finame: 'charlie' 'score': 753 I Print ("Before sorting;") : shadoute ai tadouteral (In shorts) tails PERFORMANCE (5) (2ta960/2)291002 - 112-91600d RESULT AND ANALYSIS (5) VIVA VOCE (5) Print ("In After Sorting !!) RECORD (5) TOTAL (20) Br student in students: IGN WITH DATE (trasphys) tring Rasult:-Thus the Rogram for various searching and sorting reliable seconds and writed successfully.