Python Programming. Aim: To implemed various searching and sorting appetions in Arthon trogramming Algorithm: 2. Input Definition: 2 Define the function find-employee-hy-id that taxes two Parameteres. 3. Therate thorough the list 4. We a loop to iterak through each dictionary in employee list 5. Return matching found, return the current dictionary in employee 6. Hardb No match If the loop Completes without finding match, return. None-Program 5.1! def find-employees. by-id (employees, target-id); for employee in employees: If employeefield = = tooget-id; return employee. return None. # Tost Junction employee = [lid: 1, 'name "; 'Alice', 'department'; 'ne }, d'is ':2, rame': Bob, 'depodmed': Engineering' }, d'id: 3 , name! : 'chastie', 'department'; 1 sales'}, pint (find - employee - by-id (employees, 2) # output & id: 2, 'name': Bob', 'defortment': Egineacig' }

1910 Task 5: Implement various seasching and sorting operations in

process a programme. Educa of thomograms ken ratus of Fisher appears, i Algo, abo, about a so site, weareness (peroxitation time a prose values; Access values essig keys. output: [ismon'] Blandibile) ting [topo'] [wernoit ib) this {'id':2, 'name': Bob', idepostment ? Engineering'} "some [" = [' somon'] woodbild (penoloih) his Ridonala BOR (C. P.) (140,) 20 8. mograpip Wit (dictional sy) # Hentough withough : use loops to iterate sous toy or ideas for Kin ditionaly: Print ("Key:" K) Wint (ditionary, items ()) ('can': Nic', 290': 30, Cty: 'Newyore' (nome: James, 1866; 30), C.H.; 1000) YOU TECH - CSH PERFORMANCE (5) ing : age RESULT AND ANALYSIS (5) VIVA VOCE (5) TOTAL (20) art- Henry & Plincen, "James) " (1,030,1) GON WITH DATE

Aim: To implement a feature that sorts the student records by their scores using the Bubble sorth Algorithm. Algorithm: 1. Initialization: · Get the length of students and Store it in. 2. order loop: · Itorak from iso to not this loop represents the number of passes through the list. 3. Track Swaps: . Initialize booken voriable swapped to felse, This variable will fract if any swaps are made in current pars. 4. Irner loop: · I texte from 120 to n-1-2 (inclusive). This loop Compress. adjacent elements in list and Performs swaps if necessary 6. Early Termination: After but pan of inner loop, thece if scapped if false If no Swaps were desire par, the list is already sortes and you can break. . The function modifies the Students list in place sorting 6. Completion: It by Score Program! def bubble-sort-scoresbudgets). n - len (students) for in range (n). # Track it my swap is made in his pay Swapped = false for j in range (o, n-i-1); if souded [i] ["score"]; Students [if i] ['score'];

comes of implement a feeture that sorts the student second y fair scores using the tubble south Alponium. gai tratte ations est the least of students and there it in output: Before sortini propos estruire et est many soul. the order tooks l'rame': plice', 'score 1: 883 passat autres 19 commo l'name!: 1806, Score!: 95)

1 name: Bob!, Score!: 753 of name!: chadie, some!: 85 4. Just pad: fler Sorting: et outendrie : 75%

finame!: charlie' 1 score! = 75%

finame!: Diara', 'Score': 85%

contained to the contained 6 colly remindien; { rame!! Alice', 'Score': 883 1 'rame': Aliu', 'score : 95/ 2000 2000 2000 2000 1 and you can beach. Completion: in Place Sorting The function models the students fist it by store let bubble sort - sort bludets) n-lin (stoteths)
for in rangemi it that it and shap is made in his pay Swapped stable

swap if the store of the current solicabile is greather than to nonto Students (i), Students (i+1) = Students (i+1), Students (i) support swapped: True # if no two elements were swapped, the list is already sorted if not swaped; break # Example wage Students = [of 'name? 'Alice', 'score'; 193, ('rame!: 'Bob', 'score': 95). of 'rame': 'charlie', 'score': 75]; of 'name': 'Dlana', 'Score': 85); Print (" Before Sorting:) for students in students. Print (Student) bubble_sort-scares (studouty) Print ("inthe sorting!") for students in students: Print (student) VEL TECH - CSE EX NO. PERFORMANCE (5) RESULT AND ANALYSIS (5)

Result! ofnus, the program for various searching and sorting of so

VIVA VOCE (5) RECORD (5) TOTAL (20)

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