Tash S.1 3/9/25 Implement vorious scorching and southing aponations. Aim: To implement various searching and sorting operations in Bythan periograming. Algorithm: 1. Input definition 2. Define the function Find - Employee - by - id that teles too 3. Iterake through the list use a too loop to iterate through each dictionary in the employees lot! 4 Check for matching ID. J. Return for matching Record: It a matchis tounds meturn the consient dictionary G. Handle No motch. It the loop completes without find a motech return name 1 stogram! det Find _ employee_by_id Employees, tonget _ id); For employee in Employees! if employee [id] = = + angel = id; seturn employee neturn Mone Employee = T

¿ 'id'! I, name! Alice, deportment! Tid!2, 'name': 'BOB', deportment'. Engineering' l'id: 3 'name': 'choolie', deponisabilit Print find - employee by id (Employee. 2))

Result's Thus to implement various searching and sanding operations in pythen paragranmy

¿id: 2, name ! Bob, deportment: Engineesing

Aim: To develop a python program that starts students records by scares in ascending ander using the bubble sout algorithm.

Algarithm:

- . Intidization . find the length of the student list on.
- 2. Outer loop (passes).
 Reped for i=0 to n-1
- 3. Trock swops

 . Set swopped = false at the start of each pain.
- 4 Inner loop (composison)
 for each 5-0 to n-i-2.
 - · Compose students [i] (store") and students
 [i+i] (Score").
 - . It students [i] (Score) > Student (i+1) (Score):
 - · Set supped Torse
 - 5. Early Termination.
 After the innor leap, it supped=-faller, break
 - 6. Completion
 . The lot is now souted in oriending

ins silling soll prints on ? [name! Alice! scare!88] · { 'name': Bob', 'Scoone': 953 'Éname! Charles, scare! 753 22 name: Diana, Scoré: 853 Affer Sonting Enamé: Charlie, scare: 75] Iname! Diana, Scone: 853 Enamé: Alice, 3 cono! 88} Enoné: Bob, Scara: 953 all-lanes trade and all alleg

15200drow = det bubble - sont - scores (students): n = len (students) ton i in mange (n); Swapped = false For i in mange [0, n-i,-]]; If students (i) (score) > students [i+i) (score) Students [i], students [i+i] = students [i+i], Swapped = True if not swapped { 'name!! 'Alice!, Score! 883' { 'nome!! 'Bob!, Score!! 953! { nome! charlie!, scare! : 75]; g'nome! Diare! Same! 353 print ("Before sating!") for student in student: print (Student) VEL TECH - CSE bubble - sort - scores (students) print ("In After Sorting ! H) FORMANCE (5) For student in student VIVA VOCE (3) JIGH WITH DATE Thus the program for various Searching and Souting Operations & executed and voritied Succesfully.