Title - using sequential Alle handling to maintain the data!

roblem Statements: - Company maintains employee information. as example ID, name, designation and salary. Allow user to Add, delete information of employee Display information of particular employee. If employee does not exist an appropriate message is displayed If it is; then the system displays the employee details use index sequential file to maintain the data

software Regularment + Java, JVM, 64-bit Fedora Os. any open source os, etc

Theory ?-

- Indexed Sequential file is a file organization method that combines the advantages of sequential Ale organization and direct the file organization
- In sequential file organization the seconds are stored in order, which makes it easy to access them sequentially However, it can be slow to access secords randomly
- In direct file organization, the records are stored in a way that allows them to be accessed randomly but it can difficult to keep the records in order
- A sequential file is a type of the file organization where records are stored in a sequential order based. on their physical placement in the file.

- Indexed sequential file organization solves this problem by storing the records in order and creating an index that maps the records Key 5 to their physical locations in the file. This allow the records to be accessed either sequentially or randomly with good performance in both cases.
- To maintain employee information using indexed sequential file organization we can organize a file with the following fields.
 - Employee In
 - Mame
 - Designation
 - salary
- The seconds in the file can be stored in order by employee ID. we can then create an index that maps the employee IDS to their physical location in the file.
- To add a new employee, we can conte the new employee's information to the file and update the index.
- · To delete an employee, we can delete the employee's.
 second from the file and update the Index.
- or can use the index to find the employees record. In the file and then display the information

Algorithm !-To add the new employee using indexed sequential ale organization. 1. Open the Ale for witing 2. waste the new employee's information to the Asie g. update the Index 9. close Ale. To delete an employer using indexed sequential file organization. 1. open the file for reading 2. And the employee's record in the file, 3. Delete the employee's second from the Ale 4. Update the Index 5. Close the file To display information about a particular employee using indexed sequential file organization. 1. open the Ale for reading. 2. Use the Index to find the employee's record in the file 3. Display the employee's information. 9. close the file Anclusion - we can maintain the employee information using indexed sequential file and can perform operations Such as adding, deleting displaying employee Information.