

+ Abbignment No: 12 x.

o Title: Department maintains a student win . The file contains noll number, division and address. Allow User to add , delete information of brudent. Display if information of particular employee approure message is displayed maintain dates.

* Objective

- i) To Unerstand Concept of its organisation. in date streeture.
- on bequential file.

* bothware requirement!
g++ 1 gcc compiler, 64 bit 1 fedora, eclipese

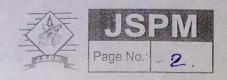
TOF.

Detecils of student. file like soll no name, address division eta.

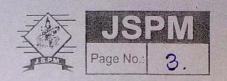
toutput: - If occords of Brudent does not exist on appropriate message is displayed other write that Student details one displayed.

* theory -:

on appropriate message is displayed other with records in the computer file file organisation may be other physical files or logical file



Some of the file organisation are! 1. bequential file organisation. 2. Heap a file organisation 3. Heap Direct file organisation 4. Indexed beginning Access method. 5. B+ bee file Organisation. * Sequential file Organisation: -In the becond method, records are started other asending or desirending each time they are inserted into the bybtem. This by stem method. Pocalled Stored file method - End of the Ry -> first inserning PET PER PA -> End of file R2 P3 R4 RI · Advantages: i) simple to understrand. 2) Easy to receinteen and arganize. 3) hoading a record require only the record key. 4) felatively in Expensive To media and device can be used 5) Easy to reconstruct the files.



* Inserving a new Records:

RIR4 R3 R8 --- R1 R5 ---

R6

New insorted records at the end.

To the above diagram PiRziRziRziR ete are.

the records. They contain all the attribute of a

row i.e Then will have whien we yay that

Student records. It will have this id name, address,

bource, Dos etc Simillerey RiRziRz etc. can be

Considered as one full serof attribute.

* Disadvantage !-

1) failure file must be processed toget specific information.

2) Very low Accitvity rate starded

3) Transcienions must be sorted and place in sequence prior to process.

4) Dorta redundación is high as some doing can be sorted to different place with different

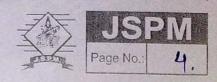
5) Impossible to handle random enquires.

* Algorithm .:

i) bran-.

2) create afile with proper name.

3) White amony driven program for Greening displaying operation juplating deletion appending



Searching Operation on dates present in the Choice switch to that case.

5) Ask uses doyou want to continue of If yes. then again go to steeps or goto near 6) stop.

+ Conclusion .:

Hence we studied and implemented bequential file organisation.