

Aim: Department maintain a student informabion. The Pik antains roll no., nax, division and address. Wirk a program to creak a sequential Fix to store and maintain student data. It should a allow the user to add, dekk information of student. Display information & particular employee. It record of Street does not exist an appeopriat message 13 displayed. It student record is found it should display Stylent details.

Implement sepantial file for student data base and perform sperations on it: i) (reate DB

O) Display DB ivi) Add Roard

ir) Dejek record.

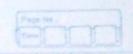
The org:

File: A file is a calcibian on information, 18 mm 114 stood on a compoker's dist. Information can ke saxd to Ajes and then reused later.

· Binary File:

- It can stok texts graphics, sound date in binary
- The binary files cannot & read directly Numbers stood efficiently.

- The text file contains the plain ASCII LINGUERYS - It contains text data which is marked by end of lik! It the end of each record. Text file annot store gaphical data. This end of record marks rely easily to preform operations such as read and write. File Organisation: The proper arrangement of records within a file is called as file organisation. The factors that affect file organisation de mainly the following: - storage device - Type of grevy - Number of Keys. - More of retrieval produte of record. Diffeent types of Aik organisation as: - Segrential File - Dixet or random acess file - Indexed segrential file. - Multi indexed file.



Sequential tile: Records or stand in susaquential order of their entry. This is to simplest kind it date organisation. The order of records, is tixed. Within each block, the resords or in sequence. New records always appear at end of the file.

Features of sequential files:

- Records stood in pr-defined order
- separtial access to skeessie reards
- Svikd to magnetic tape
- Very vscful for transaction processing when the hit At is rey high.

Drawbicks of soundal Hibs:

- Inscition and deletion of records in-between positions huse data markent.
- Accessing any record requires pass through all the preceding records, which is three consuming. - Needs reorganisation of Fix from tire to time

Primitic operations:

open: Opens fix and sets paint to immediately befor first roord

Red = next: Returns next record to vscr.
(los. Closs file terminals access to file.

write-next: Points se set to rext of last record and write record to fik

BOF: it and of file return tre; return tyle: Serich: Serich for the record with a girn key Update: (went roard is with written at san position with uptaked yeles. Algorithm: main (): - Acad 2 filenaxs from voco mask and temporary - Read operations to be performed - it operation == "creak" create(); else it operation == "display"

display(); clas it operation == "dekter" Ge dektel); opration == " gerch" St scrach(); operation == "modify" modify () 18 exit ();

Cote

(jj)	create ()
-	Open tike in write mote Read no de records to k insuled in tile.
pera	a Reed to no of records are by one from ever
	ale lent and wife in the
-	May tile
	Policy by main()
0	
	The state of the s
(ii)	display()
	open fit in read mod.
-	if file is present go to next skp to else go to
	premas skp with ever message.
-	previous skp with ever message. Sean all struct records one by an and display Close tik.
-	Clox tik.
-	Reten to main()
(1)	
(ix)	add():
	open tip in appoint more
	Som statent record and mike then in fik at and
	Clos file
-	Return to main():
	percis vo 11/51/15
-	

