pada boge is allection of files, each file is a collection of vectors, each record is a sequence of fields.

patabase -> [Files -> [Records] -> Jolds]

Blocking factors Arg Number of seasons per stack # strategies for storing file of rewards in to a Blocks O spanned stategy @Unspanned study

A Department stategy: - It allow, partial Rout of second on be stored in a Black.

"I 100B | R./R. R. D. B. D. NO wastage of mamory

PAIR B B3 Note It is gitable for variable bought

#10 Un-spormed:- No record can be stored in more than I Block. Dow Block access is reduced Dies dostage of maniey and length second.

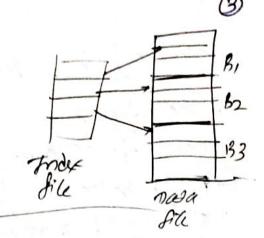
A Organisation of Records in a file -Ordered file organization: All records of file are

Brown - Birray Search If you have I dock to acces a second. The avoige # of block access = Teg_BT

Diff: - Insertion is efficient

#2) Unoscired file organization All file of seconds one insuted at whose evor the plus is available usually at the and of the Sta. Scarching Cinear Search Met :- If you have B work block to alless sucos the avoing no of black acces = Bz woost case = B In sorten is easy 2 - Searching is ineffect Attrack: Index are used to improve the seasoning efficiency. Index is a second consist of two field. try 1310ght, Pointer to a Block where. Artitle + Other is a ordered sile O Seanching Binary. . To access a second using index, the aways # g block acces = [109,8] +1 Classication of Inde Index single level O some Inde Muttelled Indx Thosex @ sporose Inde LA BOTORE -> Primary Index (P. k.+ Ordered oda) LAB+ Free # O Danse Inder of an indexi only " (lustered Index is vocated for every search may (N.H.+ Physically) volue that index is called sense > Seconday In de index. (N. K/rey + Un belled)

(2) spage track :-If an Index oring is vocated only for some search key /value it is called sparse Index.



A Primary Index: A primary Index is an ordered file.
Whose records are of fixed size with two field, first feeld is some as primary key of Lata file a second field is a pointer to data block where they trug 15 arvilable

O Index ontry is corotal for first second of each black called on char occord.

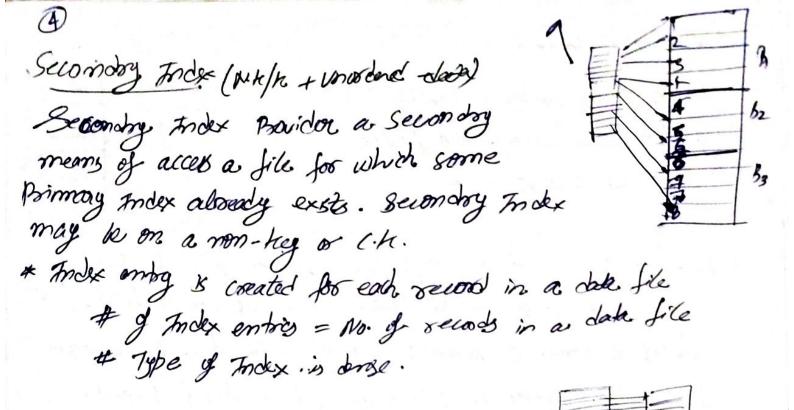
The no. of Index entries equal to the no. of blocks is duta

1) The arg. no. of block, access using index 1) The type of Index is called sprovse. = [log8] + 1

Choton Forder (Nn + Physical Codercar)

(histored Indx is an ordered file with two
field the fact feld is some as the clustering field
B called rom-king and recomm 1:11 B called non-king and second field & called Block partin Cluster From is corested on Deta file whose file Records are physically ordered on a non-trey field. Side The block pointer points to the first block in which

the new B avalible. To. Type of Freder is done



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