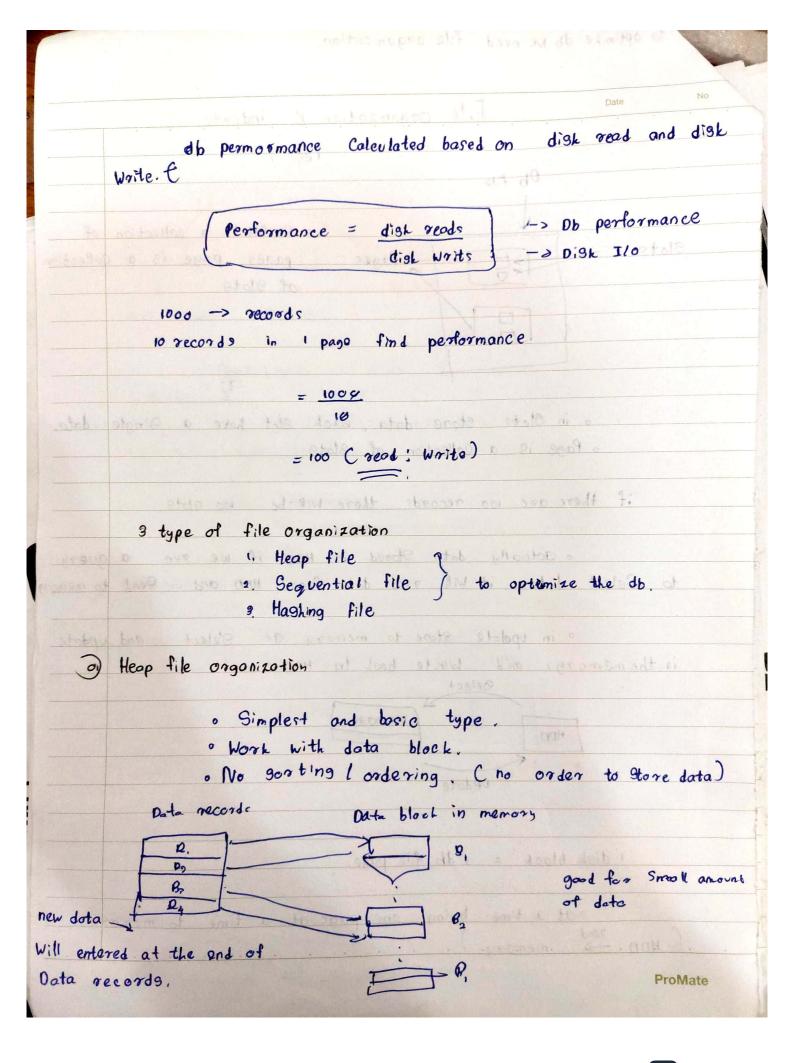
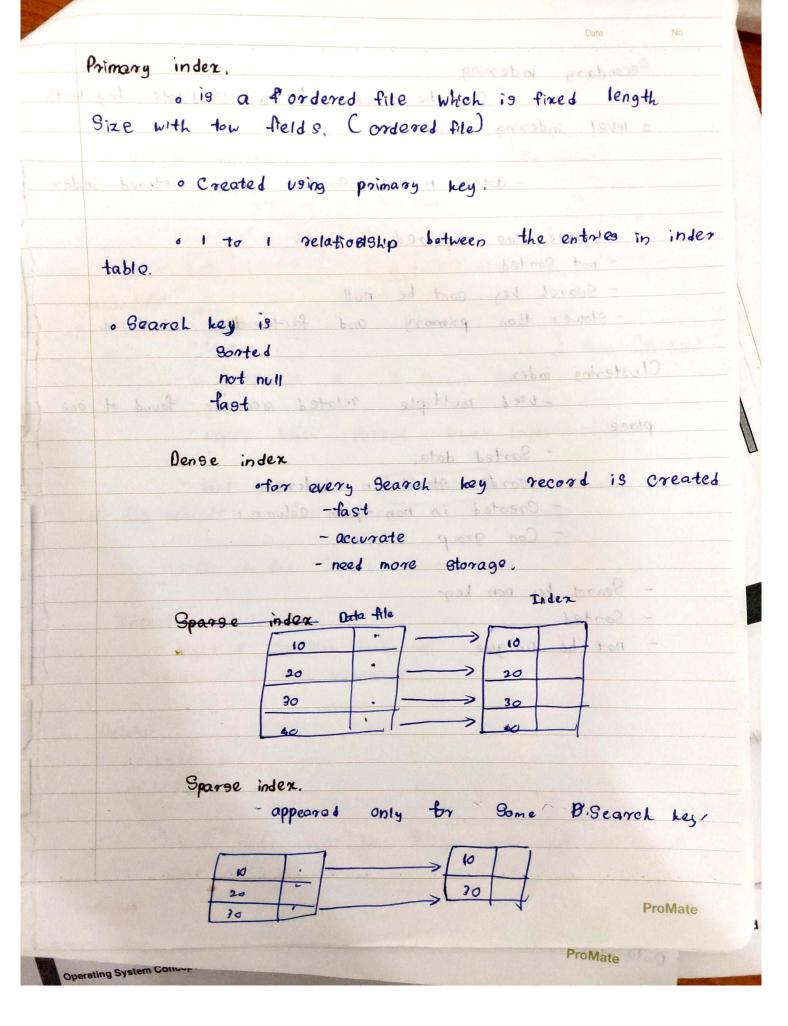
to optimize db we need file organization. File Organization & indexes de present color lated based on diek Ob file • Do file is a collection of > Page: pages, page is a Collection-Slots of Slots. . in Blots store data, each slot have a single data. o Page is a Collection of Blots. if there are 100 records there will be 100 9/019. notes aspec of the organization · actually data Stored in HDD, if we sun a query to Select data it will read data from HDD and Send to memory o in update store to memory as S'elect and update in the memory, and Write back in HOD. Gelec+ update 1 disk block = 1 db file page. cat a time bring one page at a time to memory memory ) to bio. alt. he . is who all ProMate



· Update I delete time concuming (need to search) . not god for longe filer, (00) Sequential file Organization o records are stored in a order. (Age 1 pesc) o based of some column Con Store data. o together collect index that to optimize the Hashed file organization. it as deed to very liste to the oinsert our input through a hash function. and taking a har h output, and assigned to a buckets. input -> (bol) = Cach bucket has lable from 0 to 30 one. according to the remainder bucket = Value it will alocate for bucket bucket count = take the remainder only 'o' = insert to b' bucket. o Harled file organization not sorted Well · Store in different buckets according to nemainders. ProMate



Secondary indexing - Can be generat by a Condidate key, with a level indexing, all hardens I which with the graph - data is not sorted non clustered index. - more time required - not gorted - Search key cont be null - 9lower than primary and faster than clustered. Clustering index. - used multiple related seconds found of one place. - Sorted data. - records stored in indexes. - Created in non-prin column: - Con group Columns. - Search he non key - Sorted - not be unique. · ProMate

