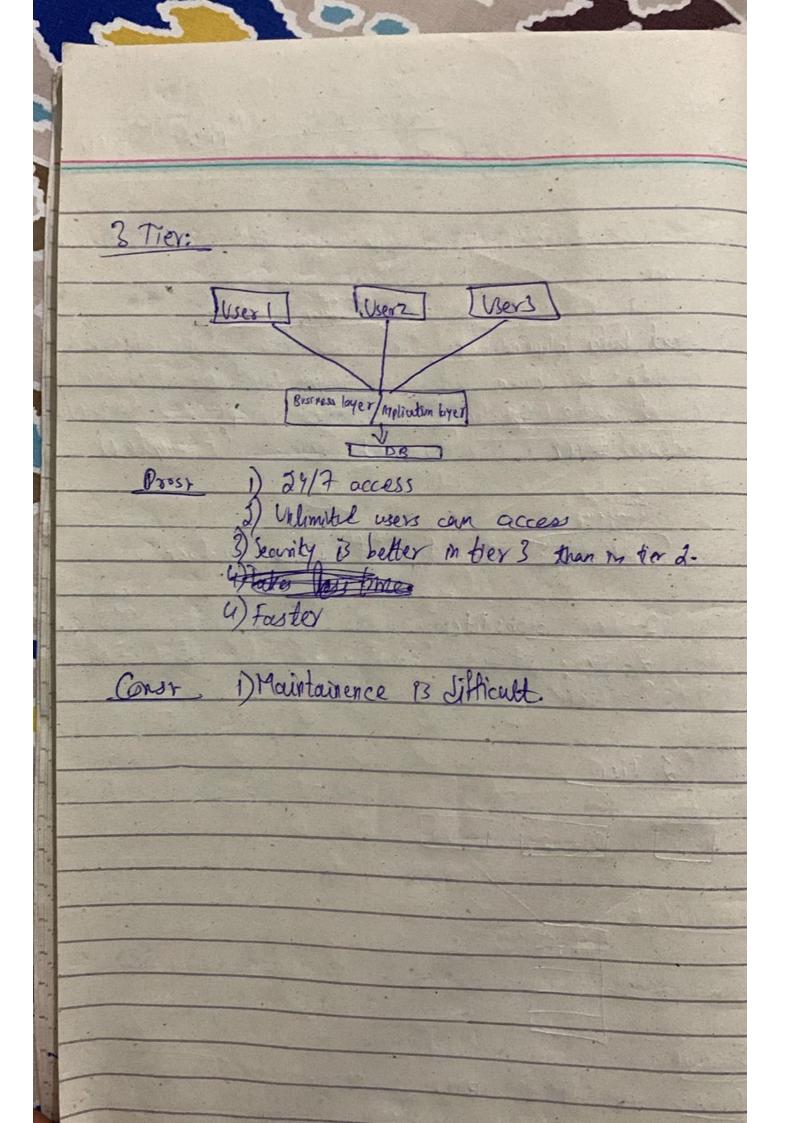
Conceptual layer is also called logical layer. 3 steinel layer is also called physical layer Datebase System 8/10/24 -> Data Independency: A procedure in which Lata B reported from user. conceptual (i) Logical Data Independency: On logical level, the charges shouldn't be shown to user In the interface. (Example) (ii) Physical Data Independency: Charges in physical layer/ internal layer northe shown to user. (Example) something => Database Architecture: Three types of DB architectures 1 Tier : (Obsolete) when your date, use & potasose is more terrie only. My Trey: 2 Tier: User is directly linked with Latabase. 2 Tier Wer) User 2 October (4) Slower Prost 1) Maintainence is easy. Users can access ) Cecurity Issues as I lirectly accesses an can change. COR Jotalogo



DATABASE SYSTEM 15/10/24 Relational Databese Parimary forent Table Plats Name Age 10 23 MBC 800 FOREIGN Course Che pept. 1008 Da Child Tuble 3N6 -> Relations Frable/File (same meaning) -> Row/Tuple/Record (same meaning) -> Attributes/ columns/field (some meaning) Properties of Relation -> There should be a distinct/orique name of table.

-> There should only be a single rate in a cell. Strong altribute should have a conque/ listant name. -> All values in an attribute doubt be of come limit

## Use of Relational Database in Different Sectors -> Banking -> Arrlines (biggest user of ROBMS) -> Universities -> Hotels positions -> Tele-communication -> Finance -> Sales -> Human Resource (HE) -> Web Based Services

- Freny tuple should be unique/Listinit.  -> DNO significance is required in the order of typle.  -> 11 11 11 11 11 11 11 11 11 11 of ribide.	
The state of the s	
Bised Relations  Dith. Www DRAS EJ RDBMS	
DBMS	ROBMS
1) Data B stored in the form of.  1005 & columns.	note is stored in the form of relations.
2) Data B lemporarily stand.  3) No concept of key  4) No restriction on deplication	Onto is permenantly Stored.  Key is used  Ouglication is lot allowed.
5) For single reser. 6) Colle rules are not Adminst.	For multi-user- Caldsrules are satisfied.
Manie	
Task: Where is "DBHS" practically implemented?	

Interactive Graph & Relational Cused Setore relational Letabase). Storchral Part of Politional patabaset Relations are on the form of yours & columnes. Table a known as vilation of Yours & colores -- Applied & logical level -> Shows relation byw entities and tables Every relation B a bable but every bable is not a relation It there is only one table, then IT B aflet database. Albibles Unique same of column is called attribute. like Name, S. No., 1ge, etc. Degreet No of attributes on a table. Tuple Records in totte relation A yours called bull. Field v It column in table is called field. Carbinality is Total no. of tuples in a stable relation. It of allowable value for one or more than one columns.

Monday Database System 4/10/24 abstract representation 0+ a project Datakappo Model: Mostract representation of data. Purpose is to understand the work represent Lata in an inderstandable way. Three parts of Lata models -> Structural parte -> Manipulative part i trastes perotions will be performed. -> Set of integrity posts rules: Some rules that will be implemented to accept certain type of det Categories of Database -Object Based/Conceptual Model Record Based/ Relational Database Models Physica -> Record based Data Modely Deals with conceptual layer & also with externel layer. sometimes Typest Relational Pota Hodel: 1970, usus indicated rules alchrork 11 11 Herrardical model of Lata for large shared relations Letabase (name of paper where relational Late models) vas explused). It had 12 rules that It tollevel, it is a volational destrubase.