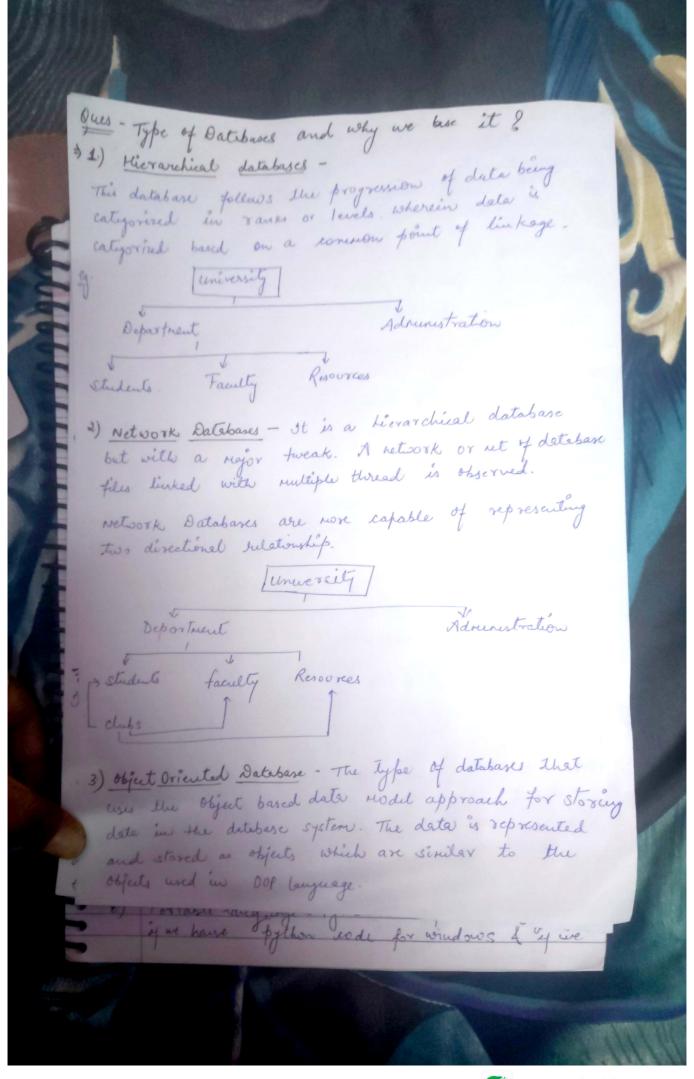
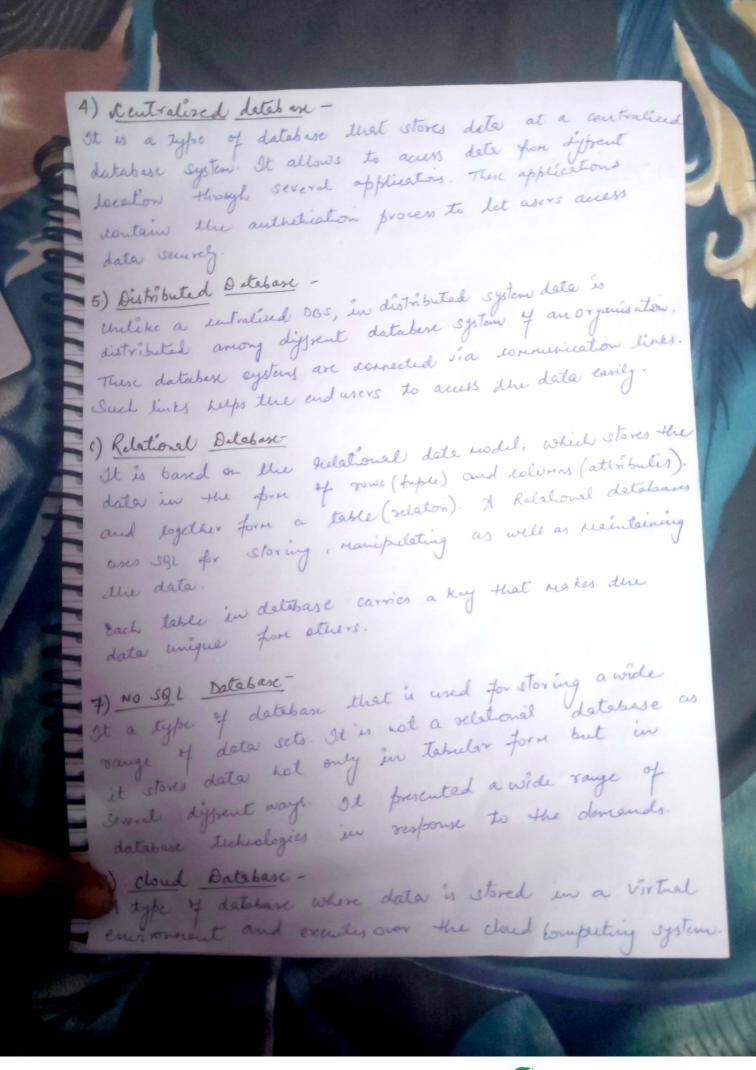
Ques what is Database? A what is Data - Data is a collection of distinct small unit of information. It can be used in a variety of forms like text, media, bytes etc. It can be stored in paper De electrone memory. Word Date is originated from the word "Dature" that Means single piece of information. Data is the plural of A Database is an organised rollection of data so that it can be easily accessed and managed. It can also be called structured Data. can be used or stored in a computer system. It can be ranaged through DBMS. - The Data in common databases is modeled in tables, making querying and processing efficient. SQL is used for data querying. for data querying. Example > In the bank, in railway etation, in school etc. where we need to store a large arount of data in one place & fetch these data early. - Main Perpose of database is to operate a large anount of information by storing, retreiving and ranging date. There are very delabases available like MYSQL, Sybase, Oracle, Hongod B, Postgre SQL, SQL server etc. Data is a dynamic Entity, the way it stored varies





It provide users with various cloud computing services. for accessing the datebase 9.) Personal Database -Ecclesting and storing data on the user's system degines a Personal database. This dalabase is basically disigned for a sayle wer. 10) operational Datosan-This Eyle of detabase which creates and updates the delasare in heal time It is basically disigned for exacting and hendling the daily data operations in Several businesses of the organization uses operational datasers for managing data per day transactions. Uses of Datebases -Store and manage large arounds of date which is structured or unstructured date. uned to support wide range of activities like data stronge, data analysis and data runagement. storage and retrieved is Eary. trolecting the porfidential data is crucial. Railways staton, Banking, Library, Education sector, credit card exchange, social redia, Accounting and finance, t converce websites, theran hisovice Hangement, Hamyachening, Airline, healthcare Sewity, teleconsumication etc.

Over Diffrence between Dalaban and DBMS ? Database DBMS. It is a collection of Definition - It is a collection of people, location or things. to exate, range and operate a detebase. Storage - Can be raintained in Can only stored in compreters, physical ledgers, longsiter. books or papers. can only retrieve data through queries written in SQL. Retrievel through queries or by using programs (C, C++ etc) vong fust. speed- Very slow Designed for large runcher of people who can access Access - It is designed for very small herbs of people can access the data at some time. date at dyjent times. DOMS range & ranipulates the data Data - Dala stored in databases A lot of information can be Very less information Data changed at one time. can be redified at a time. Manip water It ensures that the It does not ons ux that Backup 4_ data will always be the date will be recovery available ytar failure available even yter Melen failures. arus.