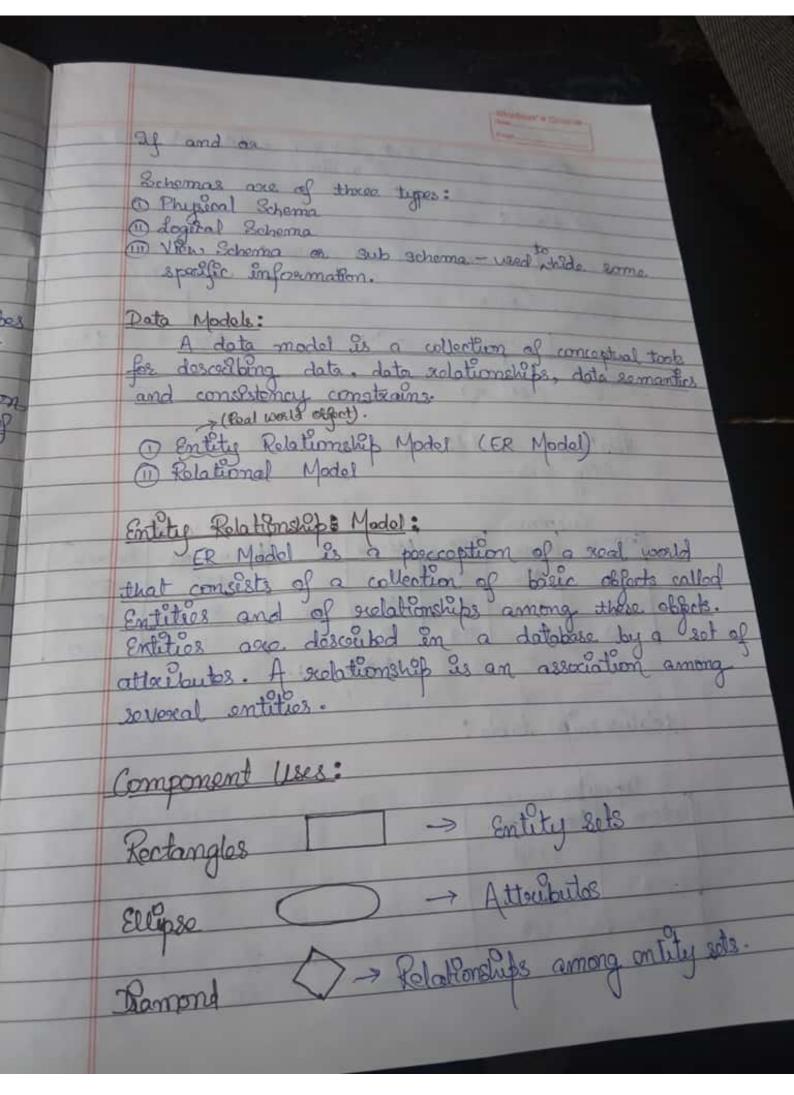
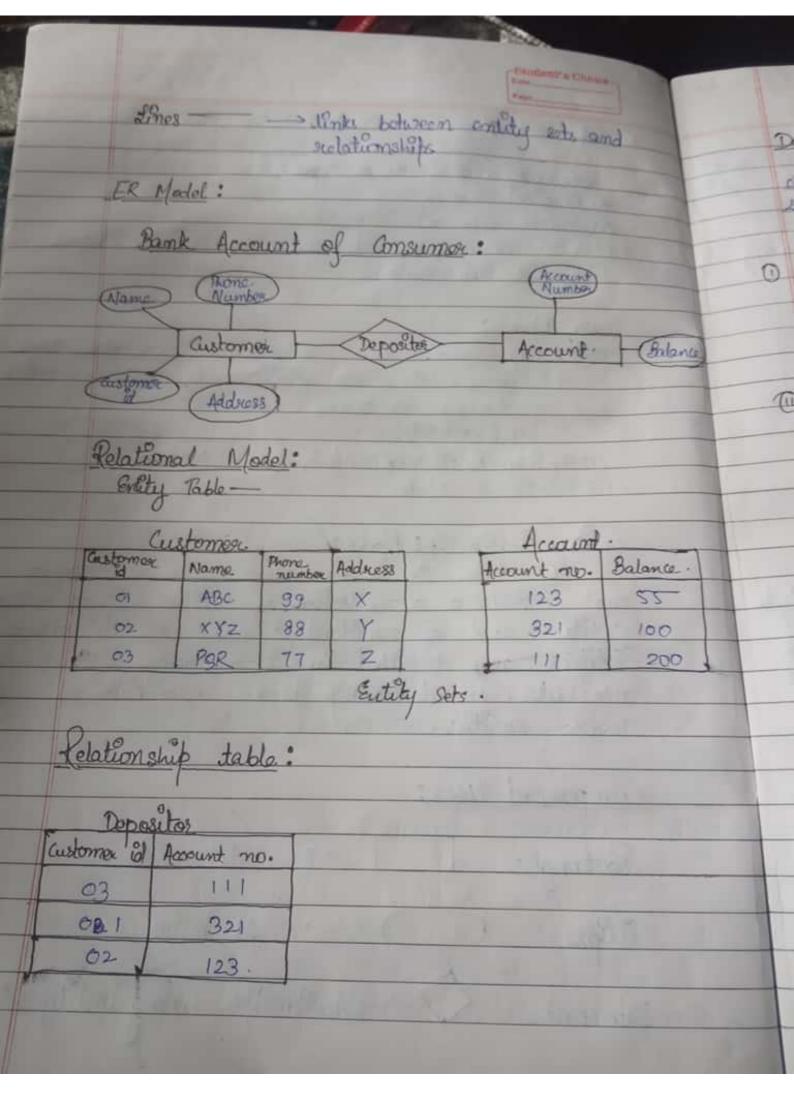
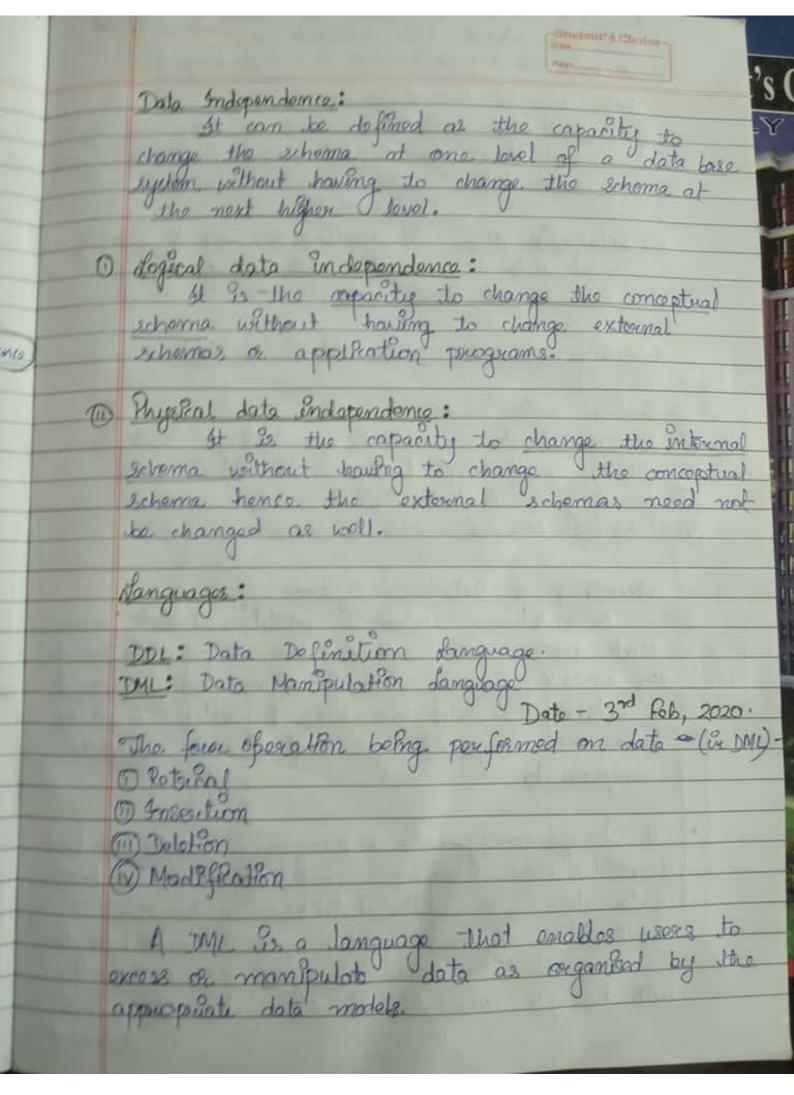


devels of Data Abstraction: Blyskal devel - (downst level of abstraction)
St describes how the data are adually stored. The physical but describes complex said touch data structures in details. (ii) Logical Levelwhat data are stored in the database and what scalationships exist among those data. Database. administrators, who must docide what enformation to keep In the database, use the logical lovel of abstraction. describes only a part of the database Instance: inscorted or deleted. The collection of information Stored in a database at a particular moment. Is called Instance of Database. Instance changes continuously. Schoma: The one of dosign of database is called database schema. Schemas are changed infrequently







from any database. The statement use the Antomation to work this language is known as query language. DALL asce of two types - a wage to specific low what data are needed and how to pot those data . Declarative DALL: - requires a user to specify
what data are needed without specifying O As m-B how to get those data. Function of DBA (DataBase Administration) 1 Scheme Doffnoition = @ Storage Structure and Access Method Defination Schema and Physical Aganisation Modification.

(D) Granting of Authorisation for Data Access.

(D) Routing Maintainance. Structure of Data Base System
A database system is partitioned into module that deals with each of the suspensibilities of the ovocall system. The function components of a detabase system can be broadly dividedly Ento - Gorage Managor and Juous Powcesson Components. provides the enterface between the low lovel data stored in the database and the application pergram and queries submitted to the system. It is scosponsible for the intercaction with the file managon. It translates DML vento Statement

. st is prespons Phle low level command for storing, setting and updating does in the database. Its components Integrate Manager 1 Athorisallon and D- Fransaction Manager The Manager Buffer Managen thing temposarily. Query Processes has those components (DD) Intoxporator - which intexports and seconds the definations in dictionary. DDML Compiler - tecanstates DML statements in a query language lento an evalution of 10w level instruction that the query evalution engines understand. It also performs query oftentisation in which it picks the lowest lution Engino - It executes has level generated by the DM2 compiler.

