Introduction to DBMS

DBMS Database

Management system

A database is a logically coherent, organized collection of similar data. (Means data bared on same context).

"A database Management System is a collection of interrelated data and a set of programs to access those data".

Applications of DBMS;

some application ascas are as follows!

1 Banking

@ Railway Reservation

(3) Aislined

(Telecommunication

(5) finance, Sales etc.

The primary goal of DBMs is to provide a way to store and retrieve database information that is both convenient and efficient.

Advantages of DBMS: Some major advantages anc:

@ Reduction in data Redundancy.

@ Reduction in inconsistency.

3 Sharing of Data

- (3) Improvement of Data Security (3) Maintenance of Data Integrity
- 1 Better Interaction with Unera.
- (Efficient System

* Database system V1 File System

Pile System Stores permanent records in various files, and its needs different application programs to extract records from, and add records to appropriate files.

problem associated with file processing system!

1 Data Redundancy

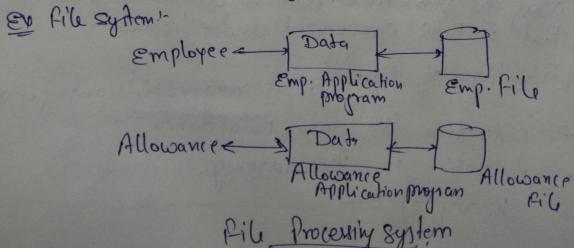
1 Data in consistency

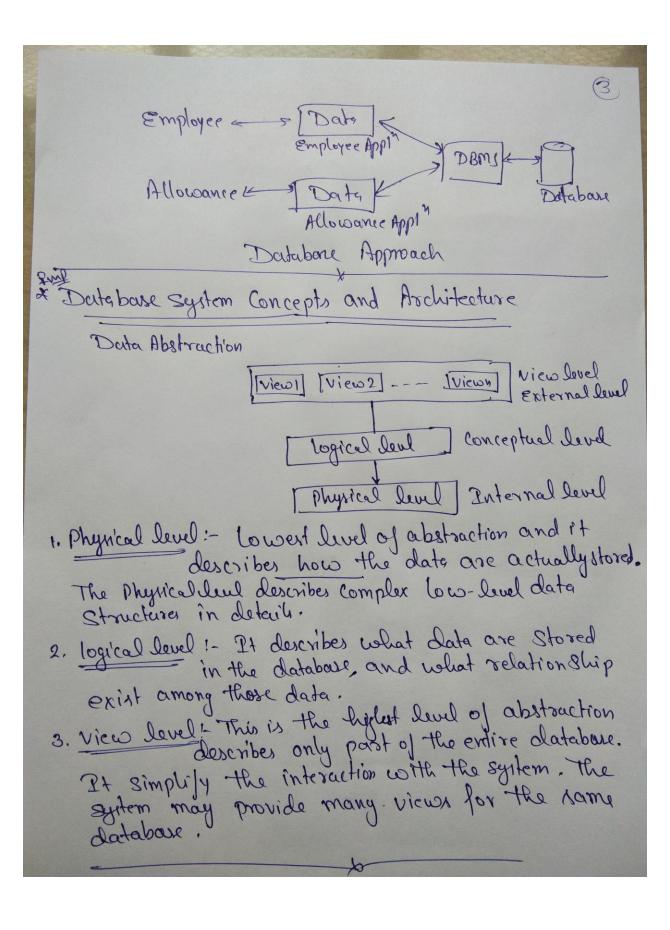
3 Boblem of date Prolation.

4 No concurrent Acres

3 lack of security

6 Atomicity and integrity problem





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References:

- Korth, Silbertz, Sudarshan," Database Concepts", McGraw Hill.
- Date C J, " An Introduction to Database Systems", Addision Wesley.
- Bipin C. Desai, "An Introduction to Database Systems", Gagotia Publications.
- Majumdar & Bhattacharya, "Database Management System", TMH.
- Ramkrishnan, Gehrke, " Database Management System", McGraw Hill.