

# DBMS

## LECTURE-1

### DBMS:-

⇓  
Database Management system

⇓  
Database + Management system

⇓  
Collection of data

⇓  
is a set of program to store & retrieve those data.

⇒ DBMS is a collection of data & set of programs to access & store those data in an easy & efficient manner.

⇒ DBMS is a software which is used to manage database

Eg:- MySQL, Oracle etc, are popular commercial DBMS used in different applications.

### Purpose of db system:-

Previously data is stored in files.

⇒ Drawbacks of using file system to store data

① data redundancy & inconsistency:-

multiple file formats, duplication of information in different files

② Difficulty in accessing data:-

Need to write a new program to carry out each new task.

③ Data isolation:- Multiple files & formats

④ Data security

⑤ Transaction problems

So, the db system offers solutions to all these problems.