

DBMS ASSIGNMENT NO 1

Q1] :-

Five Database Management System has five responsibilities :

1) Interaction with the File Manager :

No DBM can do without this, if there is no file manager interaction then nothing stored in the files can be retrieved.

2) Integrity enforcement :

Consistency constraints may not be satisfied, account balances could go below the minimum allowed, employees could earn too much over-time or, airline pilots may fly more hours than allowed by law.

3) Security Enforcement

Unauthorized users may access the database, or users authorised to access part of the database may be able to access parts of the database for which they lack authority.

4) Backup and Recovery :

Data could be lost permanently, rather than at least being available in a consistent state that existed prior to a failure.

5) Concurrency Control :

Consistency constraints may be violated despite proper integrity enforcement in each transaction.