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Subject : DBMS

Q.1. Database management system (DBMS) is system software for creating and managing databases.

Some of the major advantages of DBMS are :

① Controlled Redundancy : DBMS supports a mechanism to control redundancy of data inside the database by integrating all the data into a single database and as data is stored at only one place, the duplicity of data does not happen.

② Data sharing : Sharing of data among multiple users simultaneously can also be done in DBMS as the same database will be shared among all the users and by different application programs.

③ Independence of Data: It simply means that you can change the structure of the data without affecting the structure of any of the application programs.

④ Enforcement by Constraints: Integrity constraints are very important to be enforced on the data so that the refined data after putting some constraints are stored in the database and is followed by DBMS.

⑤ Backup and recovery: DBMS auto-matically takes care of backup and recovery. The users need to backup data periodically because this is taken care of by the DBMS.

Q.2. Different types of DBMS languages are:

① Data definition language (DDL)

→ Create , Drop , Truncate , Rename .

② Data Manipulation Language (DML)
→ Insert , Delete , Update , Select ,
   Merge , Call

③ Data Control Language (DCL)
→ Revoke , Revoke

④ Transaction Control Language (TCL)
→ Rollback , Commit .