VIEWS

> Views are virtual tables.
> It does not consume any space in database.
> Views are used to overcome the problems of sub tables.
> All the resultant tables(Result Set) obtained from the DQL queries are views.

Syntax:

```
CREATE VIEW view_name AS (SELECT statement);

CREATE VIEW v_dispatcher AS (SELECT * FROM EMP WHERE JOB='SALESMAN');
```

TCL(Transaction Control Language) commands

→ COMMIT
→ ROLLBACK
→ SAVEPOINT

COMMIT: It is used to save all the transactions(DML Operations) permanently inside the database.
Syntax: COMMIT;

Note: To disable auto commit in MySQL, we use
SET AUTOCOMMIT=0;

ROLLBACK: It is used to roll out all the transactions until the previously used commit statement.
Syntax: ROLLBACK;

> We can also rollback upto a certain savepoint.
Syntax: ROLLBACK TO savepoint_name;

SAVEPOINT: It is used to mark a point in the middle of the transaction.
Syntax: SAVEPOINT savepoint_name;

Creatin of User in MySQL

CREATE USER 'username'@'localhost' IDENTIFIED BY 'password';

CREATE USER 'shashank'@'localhost' IDENTIFIED BY 'pentagon';

Command Prompt

```
cd C:\Program Files\MySQL\MySQL Server 8.0\bin

To login,
mysql -u username -p
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DCL (Data Control Language)
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GRANT: This statement is used to grant the permission to
access the data for the other user.
Syntax: GRANT sql_statement ON table_name
        TO 'user_name'@'localhost';

REVOKE: This statement is used to take back the
permission from the other user.
Syntax: REVOKE sql_statement ON table_name
        FROM 'user_name'@'localhost';