

Section – A: Theory Questions

1. What are TCL commands and how many types of commands

Transaction control commands in SQL are used to manage the changes made to the database during a transaction. These commands ensure the consistency and integrity of data in the database.

They are three transaction control commands in SQL are

1. Commit
2. Rollback
3. Savepoint

2. What is commit

Used to save the changes made to the database during a transaction. Once the changes have been committed, they become permanent and cannot be rolled back.

3. What is rollback

Used to undo the changes made to the database during a transaction. If a transaction encounters an error, the ROLLBACK command can be used to restore the database to its previous state.

4. What is savepoint

Used to create a checkpoint within a transaction, allowing you to roll back to a specific point in the transaction, instead of rolling back the entire transaction.

5. Create a pictorial representation of transaction control commands in SQL

```
BEGIN TRANSACTION
|
|-----> SQL STATEMENTS
|
|-----> SAVEPOINT (if required)
|
|-----> COMMIT or ROLLBACK
|
END TRANSACTION
```