Course Code: CSL402	Course Name: Database Management System Lab
Class: SE-CO	Batch: 2020-24
Roll no: 20CO24	Name: Khan Arshad Abdulla

Experiment: 08

Aim: Implement DCL and TCL Commands

Case Study Title – Currency Converter

Theory:

DCL(Data Control Language): DCL includes commands such as GRANT and REVOKE which mainly deal with the rights, permissions and other controls of the database system.

DCL Commands

Create a user -

Create user 'username'@'servername' identifed by 'password';

Mysql -u newuser -p

Password -

Grant - Used to give permission to perform DDL, DML commands to the users.

Syntax

Grant roles/permission on database.tables to 'user'@'servername';

Roles - ddl or dml commands (select , insert, update, delete, create , alter….)

Revoke - Used to remove permission to perform DDL, DML commands to the users.

Syntax -

Revoke roles/permission on database.tables from 'user'@'servername';

TCL(Transaction Control Language): TCL commands deal with the transaction within the database.

COMMIT– commits a Transaction.

ROLLBACK– rollbacks a transaction in case of any error occurs.

SAVEPOINT–sets a save point within a transaction.

SET TRANSACTION–specify characteristics for the transaction.

Output:

Attach the output of the nested queries on your project in txt format.

Conclusion:

In this experiment we have successfully implemented DCL(Data Control Language) and TCL(Transaction Control Language) commands. I have understood the concepts of commit, rollback, etc.