EXPERIMENT NO:-05

Aim: Perform Authorization using Grant and Revoke.

Application of DCL Commands:

Examples of DCL commands include GRANT

GRANT:

Example :

```
CREATE USER 'Tanay'@'localhost' IDENTIFIED BY 'password123';
GRANT ALL PRIVILEGES
ON TrainDB.Train
TO 'Tanay'@'localhost'
WITH GRANT OPTION;
```

✓ 86	19:39:25	GRANT ALL PRIVILEGES ON TrainDB.Train TO 'Tanay'@'localhost' WITH GRANT OPTION	0 row(s) affected	0.00098 sec

REVOKE :

Example   :

✓ 87	19:41:19	REVOKE ALL ON Train FROM 'Tanay'@'localhost'	0 row(s) affected	0.0017 sec

Conclusion: The use of DCL (Data Control Language) commands such as Grant and Revoke helps in effectively managing database security and user access. By granting privileges to users, we ensure that authorized users can work with the database as needed. At the same time, by revoking privileges when they are no longer required, we maintain data integrity and prevent unauthorized operations. Thus, Grant and Revoke provide fine-grained control over database permissions, ensuring both flexibility and security.

R1	R2	R3	R4	Total	Sign with Date
(3)	(5)	(4)	(3)	(15)	