PB\_05\_Kushagra Suryawanshi

T.Y.B.TECH

Batch B1

## **DBMS LAB ASSIGNMENT 2: DDL AND DCL COMMANDS**

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	PB_05_Kushagra shuryawarshi Batch (B1)
	DBMS - Assignment 2 : DDL and DCL commands
	stim: Designe and develop GQL DDL statements for different system.
	Objective: To study DDL and DCL commands.
	Theory:
E.	DDL commands:
	create creates database or its objects (table, index, func
	views, store procedure and triggers)
	DROP: used to delete objects from database.
	after: und to after the structure of database.
-	runame runames emisting object in database.
	comment used to add comments to data dictionary
	truncate used to remove all records from a table
2.	DCL commands:
	Evoke: withdraw users access princileges to the database Revoke: withdraw users access princileges to given
	Revoke: withdraw users access jumileges to given
	by using the yeart command.
	Input Nusic byeten database.
tip I	Output: DDh and Dch commands.



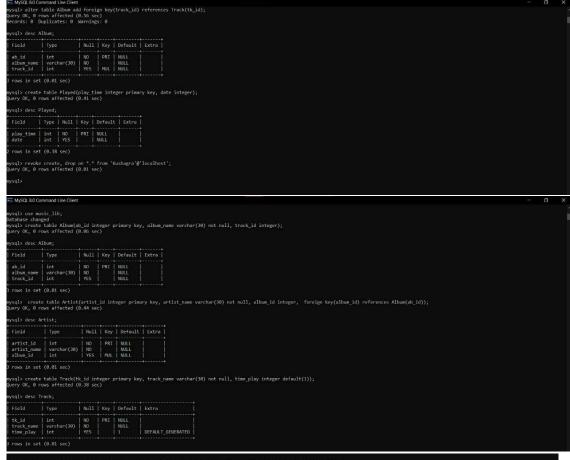
TA PARTY	WITT-WPU  WITT-W
	commands throughly.
F	TAQ'S :
. H → V	ow to drop a column from a table? he following syntan:
	ALTER DROP TAGLE table name DROP COLUMN column_name;
2. U	ow to add a primary key in an abready existing table?
A	LIER TABLE table name ADD column name col definition Primary Key;
→ ;) 0 (;; (;;	you to reate a new wer in 6QL?  you son command line stient.  you : CREATE USER 'wwwname' @ localhost' identified by  password;
(v)	quant required priviledges using the GRANT command. The command line preompt to check if user has been created.

## Schema Diagram for Music Library System: (wrt First Assignment)

		with A sale of
Schema Diagra	an for M	lusic library System
AL AGE TO	Marine M.	Samuelah Stade
ARTIST	Time 15	ALBUM
artist_id	ab-id	
astut_name	Late Lance	album_name
album_id		track-id
	d nes son	
7 9		
	- Carolina	ed is adaptated to
PLAYED		TRACK
PLAY_time		tk-id
date	(4) 4 =	track_name

## Code:





## C:\>cd C:\Program Files\MySQL\MySQL Server 8.0\bin

C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -u Kushagra -p

Enter password: \*\*\*\*\*\*

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 26

Server version: 8.0.21 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>\_

```
Enter password: *********
Welcome to the MySQL monitor. Commands end with; or \g.
Your MySQL connection id is 25
Server version: 8.0.21 MySQL Community Server - GPL
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affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> create user 'Kushagra'@'localhost' identified by 'password';
Query OK, 0 rows affected (0.36 sec)
mysql> grant all on *.* to 'Kushagra'@'localhost';
Query OK, 0 rows affected (0.03 sec)
mysql> show grants for 'Kushagra'@'localhost';
| Grants for Kushagra@localhost
```

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SHU <sup>-</sup> SUPE SLAV ALTE	ANT SELECT, INSERT, UPDATE, DELETE, CREATE, DROP, RELOAD, IDOWN, PROCESS, FILE, REFERENCES, INDEX, ALTER, SHOW DATABASES, ER, CREATE TEMPORARY TABLES, LOCK TABLES, EXECUTE, REPLICATION E, REPLICATION CLIENT, CREATE VIEW, SHOW VIEW, CREATE ROUTINE, R ROUTINE, CREATE USER, EVENT, TRIGGER, CREATE TABLESPACE, CREATE, DROP ROLE ON *.* TO `Kushagra`@`localhost`
DMII CRYF RCHI ATIO OUR VARI RIAB	ANT ICATION_PASSWORD_ADMIN,AUDIT_ADMIN,BACKUP_ADMIN,BINLOG_A N,BINLOG_ENCRYPTION_ADMIN,CLONE_ADMIN,CONNECTION_ADMIN,EN PTION_KEY_ADMIN,GROUP_REPLICATION_ADMIN,INNODB_REDO_LOG_A VE,INNODB_REDO_LOG_ENABLE,PERSIST_RO_VARIABLES_ADMIN,REPLIC N_APPLIER,REPLICATION_SLAVE_ADMIN,RESOURCE_GROUP_ADMIN,RES CE_GROUP_USER,ROLE_ADMIN,SERVICE_CONNECTION_ADMIN,SESSION_ ABLES_ADMIN,SET_USER_ID,SHOW_ROUTINE,SYSTEM_USER,SYSTEM_VA LES_ADMIN,TABLE_ENCRYPTION_ADMIN,XA_RECOVER_ADMIN ON *.* TO hagra`@`localhost`
+	
+	
2 rov	vs in set (0.00 sec)
mysc	ן > create database music_lib;
,	·

```
mysql> use music lib;
Database changed
mysql> create table Album(ab id integer primary key, album name
varchar(30) not null, track_id integer);
Query OK, 0 rows affected (0.06 sec)
mysql> desc Album;
+----+
| Field | Type | Null | Key | Default | Extra |
+----+
| ab id | int | NO | PRI | NULL | |
| album_name | varchar(30) | NO | NULL |
track id | int | YES | NULL | |
+----+
3 rows in set (0.01 sec)
mysql> create table Artist(artist_id integer primary key, artist_name
varchar(30) not null, album id integer, foreign key(album id) references
Album(ab_id));
Query OK, 0 rows affected (0.44 sec)
mysql> desc Artist;
+----+
| Field | Type | Null | Key | Default | Extra |
+----+
artist id | int | NO | PRI | NULL | |
```

```
artist_name | varchar(30) | NO | NULL | |
album id | int | YES | MUL | NULL | |
+----+
3 rows in set (0.01 sec)
mysql> create table Track(tk_id integer primary key, track_name varchar(30)
not null, time_play integer default(1));
Query OK, 0 rows affected (0.38 sec)
mysql> desc Track;
+----+
| Field | Type | Null | Key | Default | Extra
+----+
tk id | int | NO | PRI | NULL |
| track_name | varchar(30) | NO | | NULL |
| time play | int | YES | | 1 | DEFAULT GENERATED |
+----+
3 rows in set (0.01 sec)
mysql> alter table Album add foreign key(track_id) references Track(tk_id);
Query OK, 0 rows affected (0.56 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> desc Album;
+----+
| Field | Type | Null | Key | Default | Extra |
```

```
+----+
ab id | int | NO | PRI | NULL | |
| album_name | varchar(30) | NO | NULL |
track id | int | YES | MUL | NULL |
+----+
3 rows in set (0.01 sec)
mysql> create table Played(play_time integer primary key, date integer);
Query OK, 0 rows affected (0.41 sec)
mysql> desc Played;
+----+
| Field | Type | Null | Key | Default | Extra |
+----+
| play time | int | NO | PRI | NULL | |
| date | int | YES | NULL | |
+----+
2 rows in set (0.38 sec)
mysql> revoke create, drop on *.* from 'Kushagra'@'localhost';
Query OK, 0 rows affected (0.01 sec)
mysql>
```