**14/7/2020 DBMS LAB SESSION SANJAY RAWAT (7341)**

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

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

**Your MySQL connection id is 32**

**Server version: 8.0.20 MySQL Community Server - GPL**

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**owners.**

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

**mysql> show databases;**

**+--------------------+**

**| Database |**

**+--------------------+**

**| information\_schema |**

**| mysql |**

**| performance\_schema |**

**| person |**

**| sakila |**

**| southwind |**

**| sys |**

**| test |**

**| world |**

**+--------------------+**

**9 rows in set (0.01 sec)**

**mysql> use southwind;**

**Database changed**

**mysql> show tables;**

**+---------------------+**

**| Tables\_in\_southwind |**

**+---------------------+**

**| student |**

**+---------------------+**

**1 row in set (0.07 sec)**

**mysql> drop student;**

**ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'student' at line 1**

**mysql> drop table student;**

**Query OK, 0 rows affected (0.61 sec)**

**mysql> CREATE TABLE Student(ID int(6) NOT NULL, NAME varchar(10) NOT NULL,ADDRESS varchar(20));**

**Query OK, 0 rows affected, 1 warning (0.53 sec)**

**mysql> desc student;**

**+---------+-------------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+---------+-------------+------+-----+---------+-------+**

**| ID | int | NO | | NULL | |**

**| NAME | varchar(10) | NO | | NULL | |**

**| ADDRESS | varchar(20) | YES | | NULL | |**

**+---------+-------------+------+-----+---------+-------+**

**3 rows in set (0.00 sec)**

**mysql> inset into student (ID,NAME,ADDRESS) values (1,'SANJAY','UTTRAKHAND'),(2,'ATUL','RPG');**

**ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'inset into student (ID,NAME,ADDRESS) values (1,'SANJAY','UTTRAKHAND'),(2,'ATUL',' at line 1**

**mysql> insert into student (ID,NAME,ADDRESS) values (1,'SANJAY','UTTRAKHAND'),(2,'ATUL','RPG');**

**Query OK, 2 rows affected (0.18 sec)**

**Records: 2 Duplicates: 0 Warnings: 0**

**mysql> SELECT\*FROM student;**

**+----+--------+------------+**

**| ID | NAME | ADDRESS |**

**+----+--------+------------+**

**| 1 | SANJAY | UTTRAKHAND |**

**| 2 | ATUL | RPG |**

**+----+--------+------------+**

**2 rows in set (0.00 sec)**

**mysql> insert into student (NULL,'Anish','AGM');**

**ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'NULL,'Anish','AGM')' at line 1**

**mysql> drop table student;**

**Query OK, 0 rows affected (0.60 sec)**

**mysql> CREATE TABLE Student(ID int(6) NOT NULL UNIQUE, NAME varchar(10) NOT NULL,ADDRESS varchar(20));**

**Query OK, 0 rows affected, 1 warning (0.54 sec)**

**mysql> desc student;**

**+---------+-------------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+---------+-------------+------+-----+---------+-------+**

**| ID | int | NO | PRI | NULL | |**

**| NAME | varchar(10) | NO | | NULL | |**

**| ADDRESS | varchar(20) | YES | | NULL | |**

**+---------+-------------+------+-----+---------+-------+**

**3 rows in set (0.00 sec)**

**mysql> alter table student modify id int(6) UNIQUE;**

**Query OK, 0 rows affected, 2 warnings (2.35 sec)**

**Records: 0 Duplicates: 0 Warnings: 2**

**mysql> desc student;**

**+---------+-------------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+---------+-------------+------+-----+---------+-------+**

**| id | int | YES | UNI | NULL | |**

**| NAME | varchar(10) | NO | | NULL | |**

**| ADDRESS | varchar(20) | YES | | NULL | |**

**+---------+-------------+------+-----+---------+-------+**

**3 rows in set (0.08 sec)**

**mysql> alter table student modify id int(6)NOT NULL UNIQUE;**

**Query OK, 0 rows affected, 2 warnings (1.96 sec)**

**Records: 0 Duplicates: 0 Warnings: 2**

**mysql> inset into student (ID,NAME,ADDRESS) values (1,'SANJAY','UTTRAKHAND'),(1,'ATUL','RPG');**

**ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'inset into student (ID,NAME,ADDRESS) values (1,'SANJAY','UTTRAKHAND'),(1,'ATUL',' at line 1**

**mysql> inset into student (ID,NAME,ADDRESS) values (1,'SANJAY','UTTRAKHAND'),(2,'ATUL','RPG'),(1,'Anish','AGM');**

**ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'inset into student (ID,NAME,ADDRESS) values (1,'SANJAY','UTTRAKHAND'),(2,'ATUL',' at line 1**

**mysql> alter table student modify id int(6) UNIQUE;**

**Query OK, 0 rows affected, 2 warnings (2.27 sec)**

**Records: 0 Duplicates: 0 Warnings: 2**

**mysql> inset into student (ID,NAME,ADDRESS) values (1,'SANJAY','UTTRAKHAND'),(2,'ATUL','RPG'),(1,'Anish','AGM');**

**ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'inset into student (ID,NAME,ADDRESS) values (1,'SANJAY','UTTRAKHAND'),(2,'ATUL',' at line 1**

**mysql> alter table student modify id int(6)NOT NULL UNIQUE;**

**Query OK, 0 rows affected, 2 warnings (1.87 sec)**

**Records: 0 Duplicates: 0 Warnings: 2**

**mysql> desc student;**

**+---------+-------------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+---------+-------------+------+-----+---------+-------+**

**| id | int | NO | PRI | NULL | |**

**| NAME | varchar(10) | NO | | NULL | |**

**| ADDRESS | varchar(20) | YES | | NULL | |**

**+---------+-------------+------+-----+---------+-------+**

**3 rows in set (0.00 sec)**

**mysql> alter table student modify id int(6) PRIMARY KEY;**

**Query OK, 0 rows affected, 1 warning (2.06 sec)**

**Records: 0 Duplicates: 0 Warnings: 1**

**mysql> desc student;**

**+---------+-------------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+---------+-------------+------+-----+---------+-------+**

**| id | int | NO | PRI | NULL | |**

**| NAME | varchar(10) | NO | | NULL | |**

**| ADDRESS | varchar(20) | YES | | NULL | |**

**+---------+-------------+------+-----+---------+-------+**

**3 rows in set (0.00 sec)**

**mysql> show create student;**

**ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'student' at line 1**

**mysql> inset into student (ID,NAME,ADDRESS) values (1,'SANJAY','UTTRAKHAND'),(2,'ATUL','RPG');**

**ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'inset into student (ID,NAME,ADDRESS) values (1,'SANJAY','UTTRAKHAND'),(2,'ATUL',' at line 1**

**mysql> show create table student \G;**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 1. row \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**Table: student**

**Create Table: CREATE TABLE `student` (**

**`id` int NOT NULL,**

**`NAME` varchar(10) NOT NULL,**

**`ADDRESS` varchar(20) DEFAULT NULL,**

**PRIMARY KEY (`id`),**

**UNIQUE KEY `ID` (`id`),**

**UNIQUE KEY `id\_2` (`id`),**

**UNIQUE KEY `id\_3` (`id`),**

**UNIQUE KEY `id\_4` (`id`),**

**UNIQUE KEY `id\_5` (`id`)**

**) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci**

**1 row in set (0.03 sec)**

**ERROR:**

**No query specified**

**mysql> SELECT\*FROM student;**

**Empty set (0.00 sec)**

**mysql> alter table student drop PRIMARY KEY;**

**Query OK, 0 rows affected (2.23 sec)**

**Records: 0 Duplicates: 0 Warnings: 0**

**mysql> desc student;**

**+---------+-------------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+---------+-------------+------+-----+---------+-------+**

**| id | int | NO | PRI | NULL | |**

**| NAME | varchar(10) | NO | | NULL | |**

**| ADDRESS | varchar(20) | YES | | NULL | |**

**+---------+-------------+------+-----+---------+-------+**

**3 rows in set (0.07 sec)**

**mysql> insert into student (ID,NAME,ADDRESS) values (1,'SANJAY','UTTRAKHAND'),(2,'ATUL','RPG');**

**Query OK, 2 rows affected (0.19 sec)**

**Records: 2 Duplicates: 0 Warnings: 0**

**mysql> SELECT\*FROM student;**

**+----+--------+------------+**

**| id | NAME | ADDRESS |**

**+----+--------+------------+**

**| 1 | SANJAY | UTTRAKHAND |**

**| 2 | ATUL | RPG |**

**+----+--------+------------+**

**2 rows in set (0.00 sec)**

**mysql> desc student;**

**+---------+-------------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+---------+-------------+------+-----+---------+-------+**

**| id | int | NO | PRI | NULL | |**

**| NAME | varchar(10) | NO | | NULL | |**

**| ADDRESS | varchar(20) | YES | | NULL | |**

**+---------+-------------+------+-----+---------+-------+**

**3 rows in set (0.00 sec)**

**mysql> show create table student \G;**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 1. row \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**Table: student**

**Create Table: CREATE TABLE `student` (**

**`id` int NOT NULL,**

**`NAME` varchar(10) NOT NULL,**

**`ADDRESS` varchar(20) DEFAULT NULL,**

**UNIQUE KEY `ID` (`id`),**

**UNIQUE KEY `id\_2` (`id`),**

**UNIQUE KEY `id\_3` (`id`),**

**UNIQUE KEY `id\_4` (`id`),**

**UNIQUE KEY `id\_5` (`id`)**

**) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci**

**1 row in set (0.00 sec)**

**ERROR:**

**No query specified**

**mysql> CREATE TABLE Customer(C\_ID int(3) PRIMARY KEY,NAME varchar(20),ADDRESS varchar(20));**

**Query OK, 0 rows affected, 1 warning (0.72 sec)**

**mysql> drop table Customer;**

**Query OK, 0 rows affected (0.65 sec)**

**mysql> CREATE TABLE Customer(C\_ID int(3) PRIMARY KEY,NAME varchar(20) NOT NULL,ADDRESS varchar(20) NOT NULL);**

**Query OK, 0 rows affected, 1 warning (0.52 sec)**

**mysql> desc Customer;**

**+---------+-------------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+---------+-------------+------+-----+---------+-------+**

**| C\_ID | int | NO | PRI | NULL | |**

**| NAME | varchar(20) | NO | | NULL | |**

**| ADDRESS | varchar(20) | NO | | NULL | |**

**+---------+-------------+------+-----+---------+-------+**

**3 rows in set (0.00 sec)**

**mysql> CREATE TABLE Order(O\_ID int NOT NULL,Order\_Number int NOT NULL,C\_ID int,PRIMARY KEY(O\_ID),FOREIGN KEY(C\_ID) REFERENCES Customer(C\_ID));**

**ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'Order(O\_ID int NOT NULL,Order\_Number int NOT NULL,C\_ID int,PRIMARY KEY(O\_ID),FOR' at line 1**

**mysql> CREATE TABLE Order(O\_ID int NOT NULL,Order\_Number int NOT NULL,C\_ID int,PRIMARY KEY(O\_ID),FOREIGN KEY(C\_ID) REFERENCES Customer(C\_ID));**

**ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'Order(O\_ID int NOT NULL,Order\_Number int NOT NULL,C\_ID int,PRIMARY KEY(O\_ID),FOR' at line 1**

**mysql> CREATE TABLE OrderS\s(O\_ID int NOT NULL,Order\_No int NOT NULL,C\_ID int,PRIMARY KEY(O\_ID),FOREIGN KEY(C\_ID) REFERENCES Customer(C\_ID));**

**--------------**

**C:\Program Files\MySQL\MySQL Server 8.0\bin\mysql.exe Ver 8.0.20 for Win64 on x86\_64 (MySQL Community Server - GPL)**

**Connection id: 32**

**Current database: southwind**

**Current user: root@localhost**

**SSL: Cipher in use is TLS\_AES\_256\_GCM\_SHA384**

**Using delimiter: ;**

**Server version: 8.0.20 MySQL Community Server - GPL**

**Protocol version: 10**

**Connection: localhost via TCP/IP**

**Server characterset: utf8mb4**

**Db characterset: utf8mb4**

**Client characterset: cp850**

**Conn. characterset: cp850**

**TCP port: 3306**

**Binary data as: Hexadecimal**

**Uptime: 10 days 22 hours 57 min 56 sec**

**Threads: 2 Questions: 6758 Slow queries: 0 Opens: 373 Flush tables: 3 Open tables: 258 Queries per second avg: 0.007**

**--------------**

**Query OK, 0 rows affected (0.93 sec)**

**mysql> CREATE TABLE OrderS(O\_ID int NOT NULL,Order\_No int NOT NULL,C\_ID int,PRIMARY KEY(O\_ID),FOREIGN KEY(C\_ID) REFERENCES Customer(C\_ID));**

**ERROR 1050 (42S01): Table 'orders' already exists**

**mysql> desc Orders;**

**+----------+------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+----------+------+------+-----+---------+-------+**

**| O\_ID | int | NO | PRI | NULL | |**

**| Order\_No | int | NO | | NULL | |**

**| C\_ID | int | YES | MUL | NULL | |**

**+----------+------+------+-----+---------+-------+**

**3 rows in set (0.00 sec)**

**mysql> show create table Orders \G;**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 1. row \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**Table: Orders**

**Create Table: CREATE TABLE `orders` (**

**`O\_ID` int NOT NULL,**

**`Order\_No` int NOT NULL,**

**`C\_ID` int DEFAULT NULL,**

**PRIMARY KEY (`O\_ID`),**

**KEY `C\_ID` (`C\_ID`),**

**CONSTRAINT `orders\_ibfk\_1` FOREIGN KEY (`C\_ID`) REFERENCES `customer` (`C\_ID`)**

**) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci**

**1 row in set (0.00 sec)**

**ERROR:**

**No query specified**

**mysql> alter table Orders drop FOREIGN KEY;**

**ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 1**

**mysql> alter table Orders drop FOREIGN KEY Orders;**

**ERROR 1091 (42000): Can't DROP 'Orders'; check that column/key exists**

**mysql> alter table Orders drop FOREIGN KEY Orders C\_ID;**

**ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'C\_ID' at line 1**

**mysql> alter table Orders drop FOREIGN KEY orders\_ibfk\_1;**

**Query OK, 0 rows affected (0.24 sec)**

**Records: 0 Duplicates: 0 Warnings: 0**

**mysql> desc Orders;**

**+----------+------+------+-----+---------+-------+**

**| Field | Type | Null | Key | Default | Extra |**

**+----------+------+------+-----+---------+-------+**

**| O\_ID | int | NO | PRI | NULL | |**

**| Order\_No | int | NO | | NULL | |**

**| C\_ID | int | YES | MUL | NULL | |**

**+----------+------+------+-----+---------+-------+**

**3 rows in set (0.00 sec)**

**mysql> show create table Orders \G;**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 1. row \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**Table: Orders**

**Create Table: CREATE TABLE `orders` (**

**`O\_ID` int NOT NULL,**

**`Order\_No` int NOT NULL,**

**`C\_ID` int DEFAULT NULL,**

**PRIMARY KEY (`O\_ID`),**

**KEY `C\_ID` (`C\_ID`)**

**) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci**

**1 row in set (0.00 sec)**

**ERROR:**

**No query specified**

**mysql> alter table Orders add FOREIGN KEY(C\_ID) REFERENNCES PRIMARY KEY(C\_ID);**

**ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'REFERENNCES PRIMARY KEY(C\_ID)' at line 1**

**mysql> alter table Orders add FOREIGN KEY(C\_ID) REFERENCES PRIMARY KEY(C\_ID);**

**ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'PRIMARY KEY(C\_ID)' at line 1**

**mysql> alter table Orders add FOREIGN KEY(C\_ID) REFERENCES Customer(C\_ID);**

**Query OK, 0 rows affected (1.95 sec)**

**Records: 0 Duplicates: 0 Warnings: 0**

**mysql> show create table Orders \G;**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 1. row \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**Table: Orders**

**Create Table: CREATE TABLE `orders` (**

**`O\_ID` int NOT NULL,**

**`Order\_No` int NOT NULL,**

**`C\_ID` int DEFAULT NULL,**

**PRIMARY KEY (`O\_ID`),**

**KEY `C\_ID` (`C\_ID`),**

**CONSTRAINT `orders\_ibfk\_1` FOREIGN KEY (`C\_ID`) REFERENCES `customer` (`C\_ID`)**

**) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci**

**1 row in set (0.00 sec)**

**ERROR:**

**No query specified**

**mysql> drop table student;**

**Query OK, 0 rows affected (0.55 sec)**

**mysql> CREATE TABLE student(ID int(6) NOT NULL,NAME varchar(20) NOT NULL,AGE int NOT NULL CHECK(AGE>=18));**

**Query OK, 0 rows affected, 1 warning (0.65 sec)**

**mysql> insert into student (ID,NAME,AGE) values (1,'SANJAY',21),(2,'ATUL',15);**

**ERROR 3819 (HY000): Check constraint 'student\_chk\_1' is violated.**

**mysql> insert into student (ID,NAME,AGE) values (1,'SANJAY',21),(2,'ATUL',20);**

**Query OK, 2 rows affected (0.17 sec)**

**Records: 2 Duplicates: 0 Warnings: 0**

**mysql> SELECT\*FROM student;**

**+----+--------+-----+**

**| ID | NAME | AGE |**

**+----+--------+-----+**

**| 1 | SANJAY | 21 |**

**| 2 | ATUL | 20 |**

**+----+--------+-----+**

**2 rows in set (0.00 sec)**

**mysql> alter table student modify AGE int DEFAULT 18;**

**Query OK, 0 rows affected (1.88 sec)**

**Records: 0 Duplicates: 0 Warnings: 0**

**mysql> insert into student (ID,NAME,AGE) values (1,'SANJAY'),(2,'ATUL',20);**

**ERROR 1136 (21S01): Column count doesn't match value count at row 1**

**mysql> insert into student (ID,NAME,AGE) values (1,'SANJAY',),(2,'ATUL',20);**

**ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '),(2,'ATUL',20)' at line 1**

**mysql> insert into student (ID,NAME) values (3,'RAWAT');**

**Query OK, 1 row affected (0.11 sec)**

**mysql> SELECT\*FROM student;**

**+----+--------+------+**

**| ID | NAME | AGE |**

**+----+--------+------+**

**| 1 | SANJAY | 21 |**

**| 2 | ATUL | 20 |**

**| 3 | RAWAT | 18 |**

**+----+--------+------+**

**3 rows in set (0.00 sec)**