Practical.2

MySQL Shell 8.0.32

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Type '\help' or '\?' for help; '\quit' to exit.

MySQL JS > \sql

Switching to SQL mode... Commands end with ;

MySQL SQL > \connect root@localhost:3306

Creating a session to 'root@localhost:3306'

Please provide the password for 'root@localhost:3306': \*\*\*\*

Save password for 'root@localhost:3306'? [Y]es/[N]o/Ne[v]er (default No): y

Fetching global names for auto-completion... Press ^C to stop.

Your MySQL connection id is 12

Server version: 8.0.32 MySQL Community Server - GPL

No default schema selected; type \use <schema> to set one.

MySQL localhost:3306 ssl SQL > SHOW DATABASES;

+--------------------+

| Database |

+--------------------+

| information\_schema |

| mysql |

| performance\_schema |

| sys |

+--------------------+

4 rows in set (0.0007 sec)

MySQL localhost:3306 ssl SQL > CREATE DATABASE FYDB;

Query OK, 1 row affected (0.0029 sec)

MySQL localhost:3306 ssl SQL > SHOW DATABASES;

+--------------------+

| Database |

+--------------------+

| fydb |

| information\_schema |

| mysql |

| performance\_schema |

| sys |

+--------------------+

5 rows in set (0.0008 sec)

MySQL localhost:3306 ssl SQL > USE FYDB;

Default schema set to `FYDB`.

Fetching global names, object names from `fydb` for auto-completion... Press ^C to stop.

MySQL localhost:3306 ssl fydb SQL > CREATE TABLE T\_STU

MySQL localhost:3306 ssl fydb SQL > create table T\_student(Roll integer, Name varchar(20));

Query OK, 0 rows affected (0.0135 sec)

MySQL localhost:3306 ssl fydb SQL > show tables;

+----------------+

| Tables\_in\_fydb |

+----------------+

| t\_student |

+----------------+

1 row in set (0.0052 sec)

MySQL localhost:3306 ssl fydb SQL > insert into T\_student values(11,'Ram');

Query OK, 1 row affected (0.0080 sec)

MySQL localhost:3306 ssl fydb SQL > insert into T\_student values(12,'Reema');

Query OK, 1 row affected (0.0057 sec)

MySQL localhost:3306 ssl fydb SQL > insert into T\_student values(13,'Shiv');

Query OK, 1 row affected (0.0062 sec)

MySQL localhost:3306 ssl fydb SQL > insert into T\_student values(14,'Atharv');

Query OK, 1 row affected (0.0057 sec)

MySQL localhost:3306 ssl fydb SQL > insert into T\_student values(15,'Diya');

Query OK, 1 row affected (0.0056 sec)

MySQL localhost:3306 ssl fydb SQL > select \* from T\_student;

+------+--------+

| Roll | Name |

+------+--------+

| 11 | Ram |

| 12 | Reema |

| 13 | Shiv |

| 14 | Atharv |

| 15 | Diya |

+------+--------+

5 rows in set (0.0004 sec)

MySQL localhost:3306 ssl fydb SQL > update T\_student

-> set name='Reema'

-> where name='Riya';

Query OK, 0 rows affected (0.0005 sec)

Rows matched: 0 Changed: 0 Warnings: 0

MySQL localhost:3306 ssl fydb SQL > update T\_student set Name='Riya' where Name='Reema';

Query OK, 1 row affected (0.0061 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MySQL localhost:3306 ssl fydb SQL > select \* from T\_student;

+------+--------+

| Roll | Name |

+------+--------+

| 11 | Ram |

| 12 | Riya |

| 13 | Shiv |

| 14 | Atharv |

| 15 | Diya |

+------+--------+

5 rows in set (0.0003 sec)

MySQL localhost:3306 ssl fydb SQL > delete from T\_student where Name='Atharv';

Query OK, 1 row affected (0.0030 sec)

MySQL localhost:3306 ssl fydb SQL > select \* from T\_student;

+------+------+

| Roll | Name |

+------+------+

| 11 | Ram |

| 12 | Riya |

| 13 | Shiv |

| 15 | Diya |

+------+------+

4 rows in set (0.0003 sec)

MySQL localhost:3306 ssl fydb SQL > insert from T\_student where Name=('14,Jayesh');

Query OK, 1 row affected (0.0030 sec)

MySQL localhost:3306 ssl fydb SQL > select \* from T\_student;

+------+------+

| Roll | Name |

+------+------+

| 11 | Ram |

| 12 | Riya |

| 13 | Shiv |

| 14 |Jayesh |

| 15 | Diya |

+------+------+

5 rows in set (0.0006 sec)

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MySQL localhost:3306 ssl fydb SQL > alter table T\_student

-> add ContactNumber integer(10) unique;

Query OK, 0 rows affected, 1 warning (0.0352 sec)

Records: 0 Duplicates: 0 Warnings: 1

Warning (code 1681): Integer display width is deprecated and will be removed in a future release.

MySQL localhost:3306 ssl fydb SQL > select \* from T\_student;

+------+------+---------------+

| Roll | Name | ContactNumber |

+------+------+---------------+

| 11 | Ram | NULL |

| 12 | Riya | NULL |

| 13 | Shiv | NULL |

| 15 | Diya | NULL |

+------+------+---------------+

4 rows in set (0.0004 sec)

MySQL localhost:3306 ssl fydb SQL > alter table T\_student

-> change ContactNumber MobileNumber integer(10);

Query OK, 0 rows affected, 1 warning (0.0089 sec)

Records: 0 Duplicates: 0 Warnings: 1

Warning (code 1681): Integer display width is deprecated and will be removed in a future release.

MySQL localhost:3306 ssl fydb SQL > select \* from T\_student;

+------+------+--------------+

| Roll | Name | MobileNumber |

+------+------+--------------+

| 11 | Ram | NULL |

| 12 | Riya | NULL |

| 13 | Shiv | NULL |

| 15 | Diya | NULL |

+------+------+--------------+

4 rows in set (0.0003 sec)

MySQL localhost:3306 ssl fydb SQL > alter table T\_student

-> drop MobileNumber;

Query OK, 0 rows affected (0.0510 sec)

Records: 0 Duplicates: 0 Warnings: 0

MySQL localhost:3306 ssl fydb SQL > select \* from T\_student;

+------+------+

| Roll | Name |

+------+------+

| 11 | Ram |

| 12 | Riya |

| 13 | Shiv |

| 15 | Diya |

+------+------+

4 rows in set (0.0004 sec)

MySQL localhost:3306 ssl fydb SQL > alter table T\_student

-> rename to FYBSC;

Query OK, 0 rows affected (0.0293 sec)

MySQL localhost:3306 ssl fydb SQL > TRUNCATE FYBSC;

Query OK, 0 rows affected (0.0279 sec)

Aggricate:-

MySQL localhost:3306 ssl fydb SQL > create table T\_Employee(EmpNo integer(4),EmpName varchar(20),Job varchar(20),Sal integer(4),DeptNo integer);

Query OK, 0 rows affected, 2 warnings (0.0099 sec)

Warning (code 1681): Integer display width is deprecated and will be removed in a future release.

Warning (code 1681): Integer display width is deprecated and will be removed in a future release.

MySQL localhost:3306 ssl fydb SQL > show tables;

+----------------+

| Tables\_in\_fydb |

+----------------+

| fybsc |

| t\_employee |

+----------------+

2 rows in set (0.0011 sec)

MySQL localhost:3306 ssl fydb SQL > insert into T\_Emp values(1234,'Deep','clerk',25,000,5);

ERROR: 1146 (42S02): Table 'fydb.t\_emp' doesn't exist

MySQL localhost:3306 ssl fydb SQL > insert into T\_Employee values(1234,'Deep','clerk',25,000,5);

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

MySQL localhost:3306 ssl fydb SQL > insert into T\_Employee values(1234,'Deep','teacher',25000,5);

Query OK, 1 row affected (0.0050 sec)

MySQL localhost:3306 ssl fydb SQL > select \* from T\_Employee;

+-------+---------+---------+-------+--------+

| EmpNo | EmpName | Job | Sal | DeptNo |

+-------+---------+---------+-------+--------+

| 1234 | Deep | teacher | 25000 | 5 |

+-------+---------+---------+-------+--------+

1 row in set (0.0003 sec)

MySQL localhost:3306 ssl fydb SQL > insert into T\_Employee values(1235,'Raj','Driver',20000,7);

Query OK, 1 row affected (0.0063 sec)

MySQL localhost:3306 ssl fydb SQL > insert into T\_Employee values(1236,'Diya','Dancer',8000,8);

Query OK, 1 row affected (0.0054 sec)

MySQL localhost:3306 ssl fydb SQL > insert into T\_Employee values(1237,'Ram','Manager',90000,9);

Query OK, 1 row affected (0.0054 sec)

MySQL localhost:3306 ssl fydb SQL > insert into T\_Employee values(1238,'Vijay','salesman',30000,10);

Query OK, 1 row affected (0.0054 sec)

MySQL localhost:3306 ssl fydb SQL > select \* from T\_Employee;

+-------+---------+----------+-------+--------+

| EmpNo | EmpName | Job | Sal | DeptNo |

+-------+---------+----------+-------+--------+

| 1234 | Deep | teacher | 25000 | 5 |

| 1235 | Raj | Driver | 20000 | 7 |

| 1236 | Diya | Dancer | 8000 | 8 |

| 1237 | Ram | Manager | 90000 | 9 |

| 1238 | Vijay | salesman | 30000 | 10 |

+-------+---------+----------+-------+--------+

5 rows in set (0.0004 sec)

MySQL localhost:3306 ssl fydb SQL > select COUNT(\*)from T\_Employee;

+----------+

| COUNT(\*) |

+----------+

| 5 |

+----------+

1 row in set (0.0060 sec)

MySQL localhost:3306 ssl fydb SQL > select COUNT(Job)from T\_Employee;

+------------+

| COUNT(Job) |

+------------+

| 5 |

+------------+

1 row in set (0.0038 sec)

MySQL localhost:3306 ssl fydb SQL > select AVG(sal)from T\_Employee;

+------------+

| AVG(sal) |

+------------+

| 34600.0000 |

+------------+

1 row in set (0.0039 sec)

MySQL localhost:3306 ssl fydb SQL > select MAX(sal)from T\_Employee;

+----------+

| MAX(sal) |

+----------+

| 90000 |

+----------+

1 row in set (0.0042 sec)

MySQL localhost:3306 ssl fydb SQL > select MIN(sal)from T\_Employee;

+----------+

| MIN(sal) |

+----------+

| 8000 |

+----------+

1 row in set (0.0004 sec)

MySQL localhost:3306 ssl fydb SQL > select SUM(sal)from T\_Employee;

+----------+

| SUM(sal) |

+----------+

| 173000 |

+----------+

1 row in set (0.0004 sec)

MySQL localhost:3306 ssl fydb SQL > select job count(\*)

-> from T\_Employee

-> ^C

MySQL localhost:3306 ssl fydb SQL > select Job,count(job)from T\_Employee GROUP by Job;

+----------+------------+

| Job | count(job) |

+----------+------------+

| teacher | 1 |

| Driver | 1 |

| Dancer | 1 |

| Manager | 1 |

| salesman | 1 |

+----------+------------+

5 rows in set (0.0006 sec)

MySQL localhost:3306 ssl fydb SQL > select DeptNo,sum(sal)from T\_Employee GROUP by DeptNo;

+--------+----------+

| DeptNo | sum(sal) |

+--------+----------+

| 5 | 25000 |

| 7 | 20000 |

| 8 | 8000 |

| 9 | 90000 |

| 10 | 30000 |

+--------+----------+

5 rows in set (0.0005 sec)