Microsoft Windows [Version 10.0.26100.4652]

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C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -h localhost -u root -p

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

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

Your MySQL connection id is 27

Server version: 8.0.42 MySQL Community Server - GPL

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

mysql> show databases;

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

| Database |

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

| bank |

| bank1 |

| batch1 |

| bbank |

| home |

| hospital |

| information\_schema |

| mysql |

| performance\_schema |

| sakila |

| srushti |

| student |

| sys |

| world |

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

14 rows in set (0.01 sec)

mysql> use bbank;

Database changed

mysql> CREATE TABLE Customer1(

-> CustomerID INT PRIMARY KEY AUTO\_INCREMENT,

-> Name VARCHAR(100) NOT NULL,

-> Address VARCHAR(255),

-> ContactNo VARCHAR(15)

-> );

Query OK, 0 rows affected (0.04 sec)

mysql> CREATE TABLE Account1(

-> AccountNumber INT PRIMARY KEY,

-> CustomerID INT,

-> AccountType VARCHAR(50),

-> FOREIGN KEY (CustomerID) REFERENCES Customer(CustomerID)

-> );

ERROR 3734 (HY000): Failed to add the foreign key constraint. Missing column 'CustomerID' for constraint 'account1\_ibfk\_1' in the referenced table 'customer'

mysql> create table account1(

-> account\_number INT PRIMARY KEY,

-> custid INT,

-> account\_type VARCHAR(55),

-> FOREIGN KEY(custid)

-> REFERENCES customerpk(custid)

-> );

ERROR 1824 (HY000): Failed to open the referenced table 'customerpk'

mysql> create table account1(

-> accountnumber INT PRIMARY KEY,

-> custid INt,

-> );

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 4

mysql> create table account1(

-> accountnumber INT PRIMARY KEY,

-> custid INT,

-> account\_type VARCHAR(55),

-> FOREIGN KEY(custid)

-> REFERENCES customer(custid)

-> );

Query OK, 0 rows affected (0.07 sec)

mysql> CREATE TABLE TransactionTable1(

-> TransactionID INT PRIMARY KEY,

-> AccountNumber INT,

-> TransactionDate DATE,

-> Amount DECIMAL(12,2),

-> FOREIGN KEY (AccountNumber) REFERENCES Account(AccountNumber)

-> );

Query OK, 0 rows affected (0.07 sec)

mysql> CREATE TABLE Employee1(

-> EmployeeID INT PRIMARY KEY,

-> Name VARCHAR(100),

-> Salary DECIMAL(10,2),

-> Role VARCHAR(50)

-> );

Query OK, 0 rows affected (0.05 sec)

mysql> ALTER TABLE Customer1

-> ADD EmailID VARCHAR(100);

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> CREATE USER 'amit'@'localhost' IDENTIFIED BY 'password123';

ERROR 1396 (HY000): Operation CREATE USER failed for 'amit'@'localhost'

mysql> GRANT SELECT ON Bank.Customer TO 'amit'@'localhost';

Query OK, 0 rows affected (0.01 sec)

mysql> GRANT SELECT ON Bank.Account TO 'amit'@'localhost';

ERROR 1146 (42S02): Table 'bank.Account' doesn't exist

mysql> CREATE USER 'manager'@'localhost' IDENTIFIED BY 'managerpass';

ERROR 1396 (HY000): Operation CREATE USER failed for 'manager'@'localhost'

mysql> GRANT ALL PRIVILEGES ON Bank.\* TO 'manager'@'localhost';

Query OK, 0 rows affected (0.01 sec)

mysql> FLUSH PRIVILEGES;

Query OK, 0 rows affected (0.01 sec)

mysql> desc customer;

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

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

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

| custid | int | NO | PRI | NULL | |

| customer\_name | varchar(80) | YES | | NULL | |

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

2 rows in set (0.03 sec)

mysql> desc account;

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

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

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

| accountnumber | int | NO | PRI | NULL | |

| custid | int | YES | MUL | NULL | |

| account\_type | varchar(80) | YES | | NULL | |

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

3 rows in set (0.00 sec)

mysql> desc employee;

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

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

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

| employee\_id | int | NO | PRI | NULL | |

| name | varchar(20) | YES | | NULL | |

| salary | decimal(12,8) | YES | | NULL | |

| role | varchar(48) | YES | | NULL | |

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

4 rows in set (0.00 sec)

mysql> desc transaction;

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

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

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

| transaction\_id | int | NO | PRI | NULL | |

| acc\_no | int | YES | MUL | NULL | |

| transaction\_date | date | YES | | NULL | |

| amount | decimal(12,3) | YES | | NULL | |

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

4 rows in set (0.00 sec)

mysql> desc transaction;

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

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

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

| transaction\_id | int | NO | PRI | NULL | |

| acc\_no | int | YES | MUL | NULL | |

| transaction\_date | date | YES | | NULL | |

| amount | decimal(12,3) | YES | | NULL | |

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

4 rows in set (0.00 sec)