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Command Prompt - mysql -u X + v
Microsoft Windows [Version 10.0.22631.5189]
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C:\Users\Lenovo>mysql -u root -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 13
Server version: 8.0.42 MySQL Community Server - GPL

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owners.

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

mysql> CREATE DATABASE library;
Query OK, 1 row affected (0.01 sec)

mysql> USE library;
Database changed
mysql> |
```

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Command Prompt - mysql -u X + v

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owners.

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

mysql> CREATE DATABASE library;
Query OK, 1 row affected (0.01 sec)

mysql> USE library;
Database changed
mysql> CREATE TABLE Branch
-> (
-> Branch_no VARCHAR(10) PRIMARY KEY,
-> Manager_id VARCHAR(10),
-> Branch_address VARCHAR(30),
-> Contact_no VARCHAR(15)
-> );
Query OK, 0 rows affected (0.02 sec)

mysql> DESC branch;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Branch_no  | varchar(10) | NO   | PRI | NULL    |       |
| Manager_id | varchar(10) | YES  |     | NULL    |       |
| Branch_address | varchar(30) | YES  |     | NULL    |       |
| Contact_no | varchar(15) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

mysql> |
```

```
mysql> DESC branch;
```

Field	Type	Null	Key	Default	Extra
Branch_no	varchar(10)	NO	PRI	NULL	
Manager_id	varchar(10)	YES		NULL	
Branch_address	varchar(30)	YES		NULL	
Contact_no	varchar(15)	YES		NULL	

4 rows in set (0.01 sec)

```
mysql> CREATE TABLE Employee
-> (
-> Emp_id VARCHAR(10) PRIMARY KEY,
-> Emp_name VARCHAR(30),
-> Position VARCHAR(30),
-> Salary DECIMAL(10,2)
-> );
Query OK, 0 rows affected (0.02 sec)

mysql> DESC employee;
```

Field	Type	Null	Key	Default	Extra
Emp_id	varchar(10)	NO	PRI	NULL	
Emp_name	varchar(30)	YES		NULL	
Position	varchar(30)	YES		NULL	
Salary	decimal(10,2)	YES		NULL	

4 rows in set (0.00 sec)

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mysql> |
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```
mysql> DESC employee;
```

Field	Type	Null	Key	Default	Extra
Emp_id	varchar(10)	NO	PRI	NULL	
Emp_name	varchar(30)	YES		NULL	
Position	varchar(30)	YES		NULL	
Salary	decimal(10,2)	YES		NULL	

4 rows in set (0.00 sec)

```
mysql> CREATE TABLE Customer
-> (
-> Customer_Id VARCHAR(10) PRIMARY KEY,
-> Customer_name VARCHAR(30),
-> Customer_address VARCHAR(30),
-> Reg_date DATE
-> );
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> DESC customer;
```

Field	Type	Null	Key	Default	Extra
Customer_Id	varchar(10)	NO	PRI	NULL	
Customer_name	varchar(30)	YES		NULL	
Customer_address	varchar(30)	YES		NULL	
Reg_date	date	YES		NULL	

4 rows in set (0.00 sec)

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mysql> |
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Command Prompt - mysql -u X + v
-> FOREIGN KEY (Issued_cust) REFERENCES customer(Customer_id) on DELETE CASCADE,
-> FOREIGN KEY (Isbn_book) REFERENCES books(ISBN) on DELETE CASCADE
-> );
ERROR 1824 (HY000): Failed to open the referenced table 'books'
mysql> DESC issuestatus;
ERROR 1146 (42S02): Table 'library.issuestatus' doesn't exist
mysql> CREATE TABLE Books
-> (
-> ISBN VARCHAR(10) PRIMARY KEY,
-> Book_title VARCHAR(50),
-> Category VARCHAR(30),
-> Rental_Price DECIMAL(10,2),
-> Status ENUM('Yes','No'),
-> Author VARCHAR(30),
-> Publisher VARCHAR(30)
-> );
Query OK, 0 rows affected (0.03 sec)

mysql> DESC Books;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| ISBN       | varchar(10)   | NO   | PRI | NULL    |       |
| Book_title | varchar(50)   | YES  |     | NULL    |       |
| Category   | varchar(30)   | YES  |     | NULL    |       |
| Rental_Price | decimal(10,2) | YES  |     | NULL    |       |
| Status     | enum('Yes','No') | YES  |     | NULL    |       |
| Author     | varchar(30)   | YES  |     | NULL    |       |
| Publisher  | varchar(30)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)


mysql> |
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Command Prompt - mysql -u X + v
| Category | varchar(30) | YES | | NULL | |
| Rental_Price | decimal(10,2) | YES | | NULL | |
| Status | enum('Yes','No') | YES | | NULL | |
| Author | varchar(30) | YES | | NULL | |
| Publisher | varchar(30) | YES | | NULL | |
+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> CREATE TABLE IssueStatus
-> (
-> Issue_Id VARCHAR(10) PRIMARY KEY,
-> Issued_cust VARCHAR(30),
-> Issued_book_name VARCHAR(50),
-> Issue_date DATE,
-> Isbn_book VARCHAR(15),
-> FOREIGN KEY (Issued_cust) REFERENCES customer(Customer_id) on DELETE CASCADE,
-> FOREIGN KEY (Isbn_book) REFERENCES books(ISBN) on DELETE CASCADE
-> );
Query OK, 0 rows affected (0.04 sec)

mysql> DESC issuestatus;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| Issue_Id | varchar(10) | NO | PRI | NULL |
| Issued_cust | varchar(30) | YES | MUL | NULL |
| Issued_book_name | varchar(50) | YES | | NULL |
| Issue_date | date | YES | | NULL |
| Isbn_book | varchar(15) | YES | MUL | NULL |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> |
```



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Command Prompt - mysql -u X
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE issuestatus MODIFY COLUMN Isbn_book VARCHAR(25);
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql>
mysql> # Create table "ReturnStatus"
mysql> CREATE TABLE ReturnStatus
  -> (
  -> Return_id VARCHAR(10) PRIMARY KEY,
  -> Return_cust VARCHAR(30),
  -> Return_book_name VARCHAR(50),
  -> Return_date DATE,
  -> isbn_book2 VARCHAR(15),
  -> FOREIGN KEY (isbn_book2) REFERENCES books(ISBN) on DELETE CASCADE
  -> );
Query OK, 0 rows affected (0.03 sec)

mysql> DESC returnstatus;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Return_id  | varchar(10) | NO   | PRI | NULL    |       |
| Return_cust | varchar(30) | YES  |     | NULL    |       |
| Return_book_name | varchar(50) | YES  |     | NULL    |       |
| Return_date | date       | YES  |     | NULL    |       |
| isbn_book2 | varchar(15) | YES  | MUL | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> |
```