

```
apsit@apsit-HP-280-G3-MT: ~
File Edit View Search Terminal Help
mysql
performance_schema
sys
+-----+
13 rows in set (0.07 sec)

mysql> use kalash;
Database changed
mysql> create table Book(title varchar(50),author varchar(20),pages int);
Query OK, 0 rows affected (0.28 sec)

mysql> describe Book
+-----+
Field | Type | Null | Key | Default | Extra |
+-----+
title | varchar(50) | YES | | NULL | |
author | varchar(20) | YES | | NULL | |
pages | int(11) | YES | | NULL | |
+-----+
3 rows in set (0.02 sec)

mysql>
```

The screenshot shows a Linux desktop environment with a sidebar on the left containing icons for various applications. The main area is divided into three windows:

- Web Browser:** Displays a document titled "EXPT 3_Steps.pdf" with the URL `https://elearn.apsit.edu.in/moodle/pluginfile.php/17206/mod_resource`.
- Terminal Window:** Titled "apsit@apsit-HP-280-G3-MT: ~", it shows the following MySQL commands and output:


```
mysql> alter table Books add reviews int;
ERROR 1146 (42S02): Table 'kalash.Books' doesn't exist
mysql> alter table Book add reviews int;
Query OK, 0 rows affected (0.74 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> describe Book
+----+
-> ;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| title  | varchar(50)   | YES  |     | NULL    |       |
| author | varchar(20)   | YES  |     | NULL    |       |
| pages  | int(11)       | YES  |     | NULL    |       |
| reviews | int(11)      | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
```
- Document Editor:** Contains text about the ALTER command and its syntax:

Command-2:
ALTER : This command is used to add or delete columns from the table.

1) Add column to table

Syntax to add a column to an existing table

```
ALTER TABLE table_name
ADD column_name datatype;
```

2) DROP column from the table

Syntax-

```
ALTER TABLE table_name
drop column_name datatype;
```

Describe table_name;

A third terminal window is partially visible at the bottom, showing commands to drop and then add a column to a table named 'student':

```
mysql> alter table student drop address;
Query OK, 0 rows affected (0.03 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> describe student;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| rollno | int           | YES  |     | NULL    |       |
| name   | varchar(20)   | YES  |     | NULL    |       |
| marks  | int           | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> alter table student add bloodgrp varchar(5);
Query OK, 0 rows affected (0.03 sec)
Records: 0 Duplicates: 0 Warnings: 0
```


Activities Terminal Mon 11:25 AM

EXPT 3_Steps.pdf x New Tab

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```
mysql> describe Book;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| RollNo | int(11) | YES | | | |
| name | varchar(50) | YES | | NULL | |
| marks | varchar(20) | YES | | NULL | |
| bloodgrp | int(11) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> rename table Book to Books;
Query OK, 0 rows affected (0.08 sec)

mysql> describe Books;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Title | varchar(50) | YES | | NULL | |
| author | varchar(20) | YES | | NULL | |
| pages | int(11) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

4) Modify column

Syntax- alter table

Command -3

RENAME: It is possible to change name of table with or without data in it using simple RENAME command. We can rename any table object at any point of time.

Syntax -
RENAME TABLE <Table Name> To <New_Table_Name>;

Example:

If you want to change the name of the table from Employee to Emp we can use **rename** command as

RENAME TABLE Employee To EMP;

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EXPT 3_Steps.pdf x want to add new features

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```
mysql> describe Books;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Title | varchar(50) | YES | | NULL | |
| author | varchar(20) | YES | | NULL | |
| pages | int(11) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> truncate table Books;
Query OK, 0 rows affected (0.15 sec)

mysql> select* from Books;
Empty set (0.00 sec)

mysql> drop table Books;
Query OK, 0 rows affected (0.13 sec)

mysql> describe Books;
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 'describe Books' at line 1

mysql>
```

Command -5

DROP: This command is used to remove an existing table along with its structure from the Database.

Syntax-
Syntax to drop an existing table.
DROP TABLE table_name;

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Expt 3 part 2.pdf want to add new fatures

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mysql> desc Books;

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 'desc Books' at line 1

mysql> create table Books(title varchar(20) not null,isbn int not null unique,author varchar(20) not null);

Query OK, 0 rows affected (0.25 sec)

mysql> describe Books;

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 'describe Book' at line 1

mysql> describe Books;

Field	Type	Null	Key	Default	Extra
title	varchar(20)	NO		NULL	
isbn	int(11)	NO	PRI	NULL	
author	varchar(20)	NO		NULL	

3 rows in set (0.00 sec)

mysql>

CREATE TABLE Books

id INT NOT NULL

name VARCHAR(20) NOT NULL

age INT NOT NULL

gender VARCHAR(10) NOT NULL

phone VARCHAR(10) NOT NULL UNIQUE,

city VARCHAR(10) NOT NULL DEFAULT 'Agra',

Describe table_name;