

1)create ,update delete commands in MYSQL.

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'bookshop' selected. The main editor window contains the following SQL commands:

```

1 • SHOW DATABASES;
2 • CREATE DATABASE bookshop;
3 • CREATE TABLE book(
4     bk_id INT PRIMARY KEY,
5     bk_name VARCHAR(30),
6     bk_author VARCHAR (30),
7     bk_price DECIMAL(15)
8 );
9 • DESCRIBE book;
10 • INSERT INTO book VALUES (1,"Fish of story" ,"Jhonson.J",250);
11 • INSERT INTO book VALUES (2,"A better india" ,"Narayna moorthy",480);
12 • INSERT INTO book VALUES (3,"A revenue stamp" ,"Amrita pritam",500);
13 • INSERT INTO book VALUES (4,"Death of a city" ,"Vikram seth",250);
14 • INSERT INTO book VALUES (5,"A suitable boy" ,"Charles darwin",300);
15 • SELECT * FROM book;
16 • UPDATE book SET bk_name ="A tales of two cities" WHERE bk_id=5;
17 • DELETE FROM book WHERE bk_id=5;
18 • SELECT * FROM book;
  
```

Create Command in MYSQL:

The screenshot shows the MySQL Workbench interface with the following SQL commands in the editor:

```

14 • INSERT INTO book VALUES (5,"A suitable boy" ,"Charles darwin",300);
15 • SELECT * FROM book;
16 • UPDATE book SET bk_name ="A tales of two cities" WHERE bk_id=5;
17 • DELETE FROM book WHERE bk_id=5;
18 • SELECT * FROM book;
19 • CREATE TABLE library(
20     lb_id INT PRIMARY KEY,
21     lb_name VARCHAR(30),
  
```

Below the editor, the 'Result Grid' is displayed, showing the data for the 'book' table:

	bk_id	bk_name	bk_author	bk_price
▶	1	Fish of story	Jhonson.J	250
	2	A better india	Narayna moorthy	480
	3	A revenue stamp	Amrita pritam	500
	4	Death of a city	Vikram seth	250
	5	A suitable boy	Charles darwin	300
*	NULL	NULL	NULL	NULL

Update Command in MYSQL:

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'bookshop' selected. The main editor window shows a SQL script with the following commands:

```
14 • INSERT INTO book VALUES (5,"A suitable boy" ,"Charles darwin",300);
15 • SELECT * FROM book;
16 • UPDATE book SET bk_name ="A tales of two cities" WHERE bk_id=5;
17 • DELETE FROM book WHERE bk_id=5;
18 • SELECT * FROM book;
19 • CREATE TABLE library(
20   lb_id INT PRIMARY KEY,
21   lb_name VARCHAR(30),
22   lb_place VARCHAR(30))
```

The 'Result Grid' at the bottom displays the data after the UPDATE command:

	bk_id	bk_name	bk_author	bk_price
▶	1	Fish of story	Jhonson.J	250
	2	A better india	Narayna moorthy	480
	3	A revenue stamp	Amrita pritam	500
	4	Death of a city	Vikram seth	250
	5	A tales of two cities	Charles darwin	300
*	NULL	NULL	NULL	NULL

Delete Command in MYSQL:

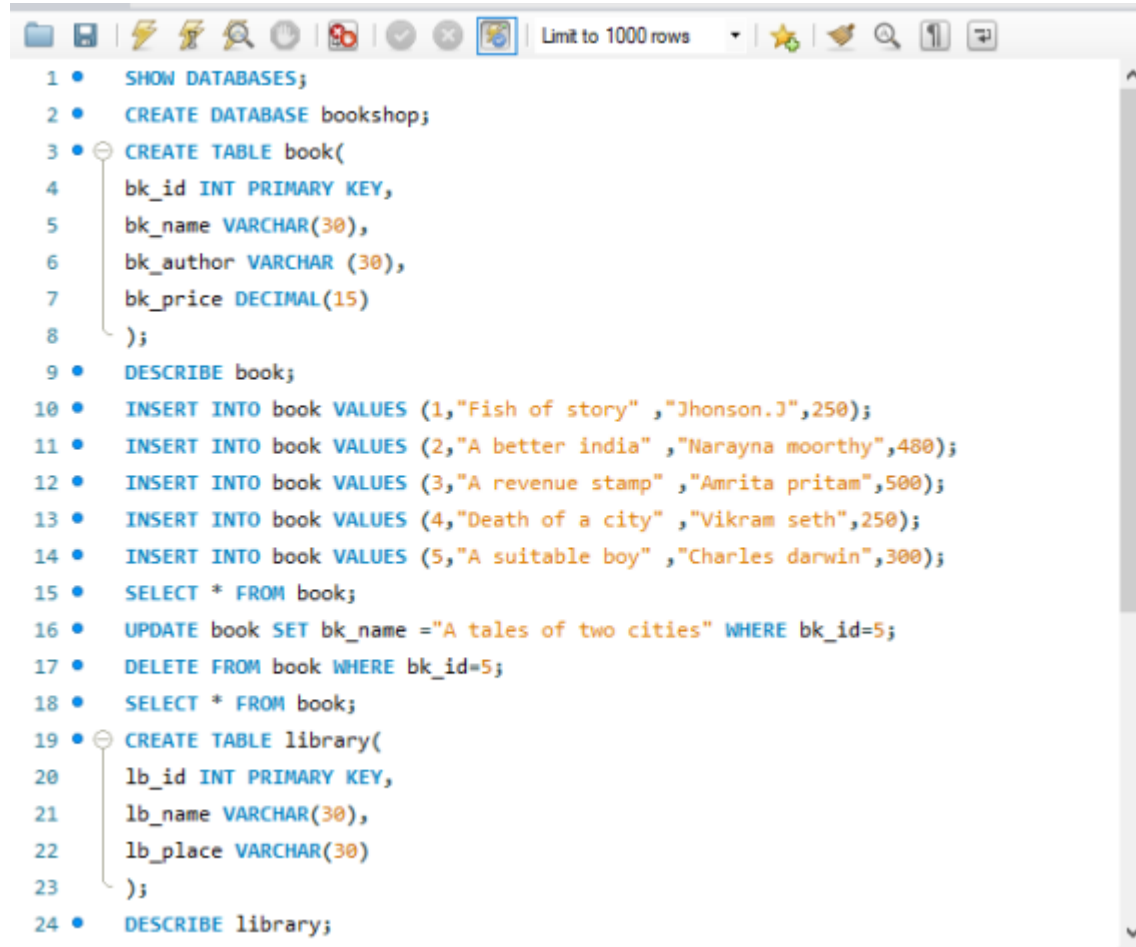
The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'bookshop' selected. The main editor window shows a SQL script with the following commands:

```
15 • SELECT * FROM book;
16 • UPDATE book SET bk_name ="A tales of two cities" WHERE bk_id=5;
17 • DELETE FROM book WHERE bk_id=5;
18 • SELECT * FROM book;
19 • CREATE TABLE library(
20   lb_id INT PRIMARY KEY,
21   lb_name VARCHAR(30),
22   lb_place VARCHAR(30))
```

The 'Result Grid' at the bottom displays the data after the DELETE command:

	bk_id	bk_name	bk_author	bk_price
▶	1	Fish of story	Jhonson.J	250
	2	A better india	Narayna moorthy	480
	3	A revenue stamp	Amrita pritam	500
	4	Death of a city	Vikram seth	250
*	NULL	NULL	NULL	NULL

2.create tables and perform joins in MYSQL.



```
1 • SHOW DATABASES;
2 • CREATE DATABASE bookshop;
3 • CREATE TABLE book(
4     bk_id INT PRIMARY KEY,
5     bk_name VARCHAR(30),
6     bk_author VARCHAR (30),
7     bk_price DECIMAL(15)
8 );
9 • DESCRIBE book;
10 • INSERT INTO book VALUES (1,"Fish of story" ,"Jhonson.J",250);
11 • INSERT INTO book VALUES (2,"A better india" ,"Narayna moorthy",480);
12 • INSERT INTO book VALUES (3,"A revenue stamp" ,"Amrita pritam",500);
13 • INSERT INTO book VALUES (4,"Death of a city" ,"Vikram seth",250);
14 • INSERT INTO book VALUES (5,"A suitable boy" ,"Charles darwin",300);
15 • SELECT * FROM book;
16 • UPDATE book SET bk_name ="A tales of two cities" WHERE bk_id=5;
17 • DELETE FROM book WHERE bk_id=5;
18 • SELECT * FROM book;
19 • CREATE TABLE library(
20     lb_id INT PRIMARY KEY,
21     lb_name VARCHAR(30),
22     lb_place VARCHAR(30)
23 );
24 • DESCRIBE library;
```

Navigator

SCHEMAS

Filter objects

- bookshop
 - Tables
 - Views
 - Stored Procedures
 - Functions
- products
- students
- sys

Administration Schemas

Information

No object selected

inupdel

Limit to 1000 rows

```

15 • SELECT * FROM book;
16 • UPDATE book SET bk_name = "A tales of two cities" WHERE bk_id=5;
17 • DELETE FROM book WHERE bk_id=5;
18 • SELECT * FROM book;
19 • CREATE TABLE library(
20     lb_id INT PRIMARY KEY,
21     lb_name VARCHAR(30),
22     lb_place VARCHAR(30)
23 );
24 • DESCRIBE library;
25 • INSERT INTO library VALUES (1,"EVR library","Kerala");
26 • INSERT INTO library VALUES (2,"Raja muthiah Research Library","chennai");
27 • INSERT INTO library VALUES (3,"Daniel poor memorial Library","Madurai");
28 • INSERT INTO library VALUES (4,"Saraswathi Mahal Library","Tanjore");
29 • INSERT INTO library VALUES (5,"Mahavi bharathi library","erode");
30 • SELECT * FROM library;
31 • SELECT * FROM book;
32 • SELECT book.bk_id,book.bk_name,book.bk_author,library.lb_name
33     FROM book
34     INNER JOIN library ON book.bk_id=library.lb_id;
35
36
37
38
  
```

Navigator

SCHEMAS

Filter objects

- bookshop
 - Tables
 - Views
 - Stored Procedures
 - Functions
- products
- students
- sys

Administration Schemas

Information

inupdel

Limit to 1000 rows

```

28 • INSERT INTO library VALUES (4,"Saraswathi Mahal Library","Tanjore");
29 • INSERT INTO library VALUES (5,"Mahavi bharathi library","erode");
30 • SELECT * FROM library;
31 • SELECT * FROM book;
32 • SELECT book.bk_id,book.bk_name,book.bk_author,library.lb_name
33     FROM book
34     INNER JOIN library ON book.bk_id=library.lb_id;
35
  
```

Result Grid

Filter Rows:

Export: Wrap Cell Contents

bk_id	bk_name	bk_author	lb_name
1	Fish of story	Jhonson.J	EVR library
2	A better india	Narayana moorthy	Raja muthiah Research Library
3	A revenue stamp	Amrita pritam	Daniel poor memorial Library
4	Death of a city	Vikram seth	Saraswathi Mahal Library
5	A suitable boy	Charles darwin	Mahavi bharathi library

Result 7 x

Read Only

Left Join:

The screenshot shows the SQL Developer interface with a query window titled 'inupdel'. The query is as follows:

```

29 • INSERT INTO library VALUES (5,"Mahavi bharathi library","erode");
30 • SELECT * FROM library;
31 • SELECT * FROM book;
32 • SELECT book.bk_id,book.bk_name,book.bk_author,library.lb_name
33 FROM book
34 INNER JOIN library ON book.bk_id=library.lb_id;
35 • SELECT book.bk_id,book.bk_name,book.bk_author,library.lb_name
36 FROM book
37 left JOIN library ON book.bk_id=library.lb_id;

```

The 'Result Grid' shows the following data:

bk_id	bk_name	bk_author	lb_name
1	Fish of story	Jhonson.J	EVR library
2	A better india	Narayna moorthy	Roja muthiah Research Libray
3	A revenue stamp	Amrita pritam	Daniel poor memorial Library
4	Death of a city	Vikram seth	Saraswathi Mahal Library
5	A suitable boy	Charles darwin	Mahavi bharathi library

The left sidebar shows the 'SCHEMAS' tree with 'bookshop' expanded, containing 'Tables', 'Views', 'Stored Procedures', and 'Functions'. The 'products', 'students', and 'sys' schemas are also listed.

Right Join:

The screenshot shows the SQL Developer interface with a query window titled 'inupdel'. The query is as follows:

```

32 • SELECT book.bk_id,book.bk_name,book.bk_author,library.lb_name
33 FROM book
34 INNER JOIN library ON book.bk_id=library.lb_id;
35 • SELECT book.bk_id,book.bk_name,book.bk_author,library.lb_name
36 FROM book
37 left JOIN library ON book.bk_id=library.lb_id;
38 • SELECT book.bk_id,book.bk_name,book.bk_author,library.lb_name
39 FROM book
40 RIGHT JOIN library ON book.bk_id=library.lb_id;

```

The 'Result Grid' shows the following data:

bk_id	bk_name	bk_author	lb_name
1	Fish of story	Jhonson.J	EVR library
2	A better india	Narayna moorthy	Roja muthiah Research Libray
3	A revenue stamp	Amrita pritam	Daniel poor memorial Library
4	Death of a city	Vikram seth	Saraswathi Mahal Library
5	A suitable boy	Charles darwin	Mahavi bharathi library

The left sidebar shows the 'SCHEMAS' tree with 'bookshop' expanded, containing 'Tables', 'Views', 'Stored Procedures', and 'Functions'. The 'products', 'students', and 'sys' schemas are also listed. At the bottom, it says 'No object selected'.

Cross join:

The screenshot shows the SQL Developer interface with a query window titled 'inupdel'. The query is as follows:

```

34 INNER JOIN library ON book.bk_id=library.lb_id;
35 SELECT book.bk_id,book.bk_name,book.bk_author,library.lb_name
36 FROM book
37 left JOIN library ON book.bk_id=library.lb_id;
38 SELECT book.bk_id,book.bk_name,book.bk_author,library.lb_name
39 FROM book
40 RIGHT JOIN library ON book.bk_id=library.lb_id;
41 SELECT book.bk_id,book.bk_name,book.bk_author,library.lb_name
42 FROM book
43 CROSS JOIN library;

```

The result grid shows the output of the cross join query:

bk_id	bk_name	bk_author	lb_name
1	Fish of story	Jhonson.J	Mahavi bharathi library
1	Fish of story	Jhonson.J	Saraswathi Mahal Library
1	Fish of story	Jhonson.J	Daniel poor memorial Library
1	Fish of story	Jhonson.J	Raja muthiah Research Library
1	Fish of story	Jhonson.J	EVR library
2	A better india	Narayna moorthy	Mahavi bharathi library
2	A better india	Narayna moorthy	Saraswathi Mahal Library

3.Create, Delete,Update Commands in Mongo.

The screenshot shows the MongoDB Compass interface for the 'Sample.student' collection. The 'Documents' tab is active, showing a single document:

```

{
  "_id": ObjectId("647457fd2d9b683aede994e8"),
  "studentName": "xyz",
  "studentaddress": "blg"
}

```

Below the document, a terminal window shows the following MongoDB commands and their output:

```

> db.student.insertOne({'studentName':'abc'})
< {
  acknowledged: true,
  insertedId: ObjectId("6474571a2d9b683aede994e7")
}
> db.student.countDocuments()
< 1
> db.student.insertOne({'studentName':'xyz','age':20})
< {
  acknowledged: true,
  insertedId: ObjectId("647457fd2d9b683aede994e8")
}

```

Name: Lavanya.S

Reg.no: 20BEC0648

MongoDB Compass - localhost:27017/Sample.student

Connect Edit View Collection Help

localhost:27017 Documents Sample.student

My Queries Databases Search

PracticeDB Employee SoftwareEngineers Sample faculty student

Sample.student

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' } Reset Find More Options

ADD DATA EXPORT DATA

1 - 1 of 1

```
{
  "_id": ObjectId('647457fd2d9b683aede994e8'),
  "studentName": "xyz",
  "studentaddress": "blg"
}
```

```
> MONGOSH
> db.student.updateOne({studentName:"abc"},{$set:{studentaddress:"chennai"}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
> db.student.deleteOne({studentName:"abc"})
< {
  acknowledged: true,
```

MongoDB Compass - localhost:27017/Sample.student

Connect Edit View Collection Help

localhost:27017 Documents Sample.student

My Queries Databases Search

PracticeDB Employee SoftwareEngineers Sample faculty student

Sample.student

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' } Reset Find More Options

ADD DATA EXPORT DATA

1 - 1 of 1

```
{
  "_id": ObjectId('647457fd2d9b683aede994e8'),
  "studentName": "xyz",
  "studentaddress": "blg"
}
```

```
> MONGOSH
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
> db.student.deleteOne({studentName:"abc"})
< {
  acknowledged: true,
  deletedCount: 1
}
Sample>
```