

GROUP B
ASSIGNMENT 8

NAME - Kartik Pingale
CLASS - TE-IT
BATCH - T2
ROLL NO - 7048

TABLES

```
mysql> select * from book;
```

```
+-----+-----+-----+-----+-----+
---+-----+-----+-----+-----+
| b_id | b_name          | author          | publication | isbn
| price | copies | dept          |
+-----+-----+-----+-----+-----+
---+-----+-----+-----+-----+
| 1975 | MySQL           | Khor            | Sun         |
9712786369 | 250 | 50 | Comp         |
| 2006 | Python          | Khor            | Sun         |
9749186952 | 600 | 50 | IT           |
| 2909 | HTML            | Moschini        | Pearson     |
9817186369 | 1000 | 80 | IT           |
| 3111 | Quant Aptitude  | Arun Sharma     | McGraw Hill |
8254987420 | 875 | 30 | Management   |
| 3113 | Logical Reasoning | Upadhyay        | McGraw Hill |
8254987460 | 600 | 30 | Management   |
| 3969 | OOP in C++      | Balagurusamy    | Ocean       |
7219186999 | 800 | 200 | IT           |
| 4106 | Java            | Schildt          | Pearson     |
6534186786 | 1200 | 50 | Comp         |
| 5871 | Let Us C        | Kanetkar         | KPP         |
9812377456 | 500 | 100 | IT           |
| 6066 | Machine Theory  | Patil            | Sun         |
9876128458 | 500 | 50 | Mech         |
| 6892 | Analog Signals  | Mahajan          | Ocean       |
9878513458 | 800 | 50 | Elec         |
| 7033 | DBMS            | Gupta            | NULL        | NULL
| 449 | NULL | NULL          |
| 8421 | 8085            | Stalling         | Oxford      |
9743286369 | 400 | 5 | E&TC         |
| 8731 | Printing Machines | Diwan            | KPP         |
9819483458 | 300 | 40 | Printing     |
+-----+-----+-----+-----+-----+
---+-----+-----+-----+-----+
13 rows in set (0.00 sec)
```

```
mysql> select * from staff;
```

```
+-----+-----+-----+-----+-----+-----+
| s_id | s_name | dept | desig | issue_date | return_date |
```

```

+-----+-----+-----+-----+-----+-----+
| 1111 | Bob   | Math  | Prof  | 2019-01-01 | 2019-06-01 |
| 1234 | Jack  | IT     | HOD   | 2019-01-01 | 2019-06-01 |
| 5555 | xyz   | NULL   | NULL  | NULL       | NULL       |
| 5871 | Vikram | Physics | HOD   | 2019-03-31 | 2019-08-15 |
| 8769 | Ravi  | Mech   | Prof  | 2019-06-18 | 2019-08-20 |
| 9999 | Steph | Elec   | Prof  | 2019-03-31 | 2019-05-04 |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

```

```
mysql> select * from student;
```

```

+-----+-----+-----+-----+-----+-----+
| roll_no | s_name      | dept | class | issue_date | return_date |
+-----+-----+-----+-----+-----+-----+
| 6010    | Prathamesh  | E&TC | TE     | 2019-06-05 | 2019-05-04 |
| 6032    | Rushikesh   | IT    | BE     | 2019-06-04 | 2019-07-02 |
| 6060    | Varun       | Elec  | BE     | 2019-06-04 | 2019-07-20 |
| 7007    | Mahesh      | IT     | TE     | 2019-06-02 | 2019-06-14 |
| 7010    | Atharva     | Mech  | TE     | 2019-06-20 | 2019-06-24 |
| 7069    | Vaibhav     | E&TC  | TE     | 2019-06-30 | 2019-07-07 |
| 8010    | Rutuja      | Comp  | SE     | 2019-06-21 | 2019-07-03 |
| 8019    | Sakshi      | Elec  | SE     | 2019-07-01 | 2019-07-09 |
| 8045    | Aditya      | Mech  | SE     | 2019-07-04 | 2019-07-15 |
| 9001    | Pranav      | Comp  | FE     | 2019-07-02 | 2019-07-15 |
+-----+-----+-----+-----+-----+-----+
10 rows in set (0.00 sec)

```

QUERY – Create view of student as std, create view of staff as stf, create view of book as bk. Use the following attributes from each table -

student: roll, name, class

staff: id, name, dept

book: book id, name, author, price

```
mysql> create view std as select roll_no, s_name, class from
student;
Query OK, 0 rows affected (0.05 sec)
```

```
mysql> select * from std;
```

```

+-----+-----+-----+
| roll_no | s_name      | class |
+-----+-----+-----+
| 6032    | Rushikesh   | BE     |
| 6060    | Varun       | BE     |
| 7007    | Mahesh      | TE     |
| 7010    | Atharva     | TE     |
| 7069    | Vaibhav     | TE     |
| 8010    | Rutuja      | SE     |
| 8019    | Sakshi      | SE     |
| 8045    | Aditya      | SE     |

```

```
| 9001 | Pranav | FE |
+-----+-----+-----+
9 rows in set (0.01 sec)
```

```
mysql> create view stf as select s_id, s_name, dept from staff;
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> select * from stf;
+-----+-----+-----+
| s_id | s_name | dept |
+-----+-----+-----+
| 1111 | Bob    | Math |
| 1234 | Jack   | IT    |
| 3421 | Alice  | IT    |
| 5871 | Vikram | Physics |
| 8769 | Ravi   | Mech  |
| 9999 | Steph  | Elec  |
+-----+-----+-----+
6 rows in set (0.00 sec)
```

```
mysql> create view bk as select b_id, b_name, author, price from
book;
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> select * from bk;
+-----+-----+-----+-----+
| b_id | b_name          | author          | price |
+-----+-----+-----+-----+
| 1975 | MySQL           | Khor            | 250   |
| 2006 | Python          | Khor            | 600   |
| 2909 | HTML            | Moschini        | 1000  |
| 3111 | Quant Aptitude  | Arun Sharma     | 875   |
| 3113 | Logical Reasoning | Upadhyay        | 600   |
| 3969 | OOP in C++      | Balagurusamy    | 800   |
| 4106 | Java            | Schildt         | 1200  |
| 5871 | Let Us C        | Kanetkar        | 500   |
| 6066 | Machine Theory  | Patil           | 500   |
| 6892 | Analog Signals  | Mahajan         | 800   |
| 8421 | 8085            | Stalling        | 400   |
| 8731 | Printing Machines | Diwan           | 300   |
+-----+-----+-----+-----+
12 rows in set (0.00 sec)
```

QUERY – Update student name & class whose roll no. is 6010

```
mysql> update student set class='TE' where roll_no='6010';
Query OK, 1 row affected (0.04 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
mysql> select * from std;
```

roll_no	s_name	class
6010	Prathamesh	TE
6032	Rushikesh	BE
6060	Varun	BE
7007	Mahesh	TE
7010	Atharva	TE
7069	Vaibhav	TE
8010	Rutuja	SE
8019	Sakshi	SE
8045	Aditya	SE
9001	Pranav	FE

10 rows in set (0.00 sec)

QUERY – Delete staff whose name is starting with 'A'

```
mysql> select * from stf;
```

s_id	s_name	dept
1111	Bob	Math
1234	Jack	IT
3421	Alice	IT
5871	Vikram	Physics
8769	Ravi	Mech
9603	Amy	E&TC
9999	Steph	Elec

7 rows in set (0.00 sec)

```
mysql> delete from staff where s_name like 'A%';
```

Query OK, 2 rows affected (0.04 sec)

```
mysql> select * from stf;
```

s_id	s_name	dept
1111	Bob	Math
1234	Jack	IT
5871	Vikram	Physics
8769	Ravi	Mech
9999	Steph	Elec

5 rows in set (0.00 sec)

QUERY – Insert a new book record where book name is DBMS, author is Gupta and price is 449

```
mysql> insert into bk values('7033', 'DBMS', 'Gupta', '449');
Query OK, 1 row affected (0.05 sec)
```

```
mysql> select * from bk;
```

b_id	b_name	author	price
1975	MySQL	Khor	250
2006	Python	Khor	600
2909	HTML	Moschini	1000
3111	Quant Aptitude	Arun Sharma	875
3113	Logical Reasoning	Upadhyay	600
3969	OOP in C++	Balagurusamy	800
4106	Java	Schildt	1200
5871	Let Us C	Kanetkar	500
6066	Machine Theory	Patil	500
6892	Analog Signals	Mahajan	800
7033	DBMS	Gupta	449
8421	8085	Stalling	400
8731	Printing Machines	Diwan	300

```
13 rows in set (0.00 sec)
```

QUERY – Create a view of student ID, student name, staff ID, staff department, book ID, book name

```
mysql> create view myview as select std.roll_no, std.s_name,
stf.s_id, stf.dept, bk.b_id, bk.b_name from student std, staff
stf, book bk where std.b_id=bk.b_id and stf.b_id=bk.b_id;
Query OK, 0 rows affected (0.07 sec)
```

```
mysql> select * from myview;
```

roll_no	s_name	s_id	dept	b_id	b_name
6010	Prathamesh	5871	Physics	3113	Logical Reasoning
6060	Varun	9999	Elec	2909	HTML
7010	Atharva	8769	Mech	7033	DBMS
8019	Sakshi	1111	Math	6892	Analog Signals

```
4 rows in set (0.01 sec)
```

