

GROUP B
ASSIGNMENT 2

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 |
+-----+-----+-----+-----+-----+
---+-----+-----+
| 2909 | HTML            | Moschini    | Pearson     |
9817186369 | 1000 | 80 |
| 3111 | Quant Aptitude  | Arun Sharma | McGraw Hill |
8254987420 | 875 | 30 |
| 3113 | Logical Reasoning | Upadhyay    | McGraw Hill |
8254987460 | 600 | 30 |
| 3969 | OOP in C++      | Balagurusamy | NULL        |
7219186999 | 800 | 200 |
| 4106 | Java            | Schildt      | Pearson     |
6534186786 | 1200 | 50 |
| 5871 | Let Us C        | Kanetkar     | NULL        |
9812377456 | 500 | 100 |
| 8421 | 8085            | Stalling     | Oxford      |
9743286369 | 400 | 5 |
+-----+-----+-----+-----+-----+
---+-----+-----+
7 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 |
| 3421 | Alice  | IT     | Prof  | 2019-01-01 | 2019-06-01 |
| 5871 | Vikram | Physics | NULL  | NULL        | NULL        |
| 8769 | Ravi   | Mech   | Prof  | NULL        | NULL        |
| 9999 | Steph  | Elec   | NULL  | NULL        | NULL        |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

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

```
+-----+-----+-----+-----+-----+-----+-----+
```

roll_no	s_name	dept	class	issue_date	return_date
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

9 rows in set (0.00 sec)

QUERY – Display names of authors from publisher McGraw Hill

```
mysql> select author from book where publication='McGraw Hill';
```

author
Arun Sharma
Upadhyay

2 rows in set (0.00 sec)

QUERY – Arrange books in ascending order by book name

```
mysql> select * from book order by b_name asc;
```

b_id	b_name	author	publication	isbn
8421	8085	Stalling	Oxford	
9743286369	400	5		
2909	HTML	Moschini	Pearson	
9817186369	1000	80		
4106	Java	Schildt	Pearson	
6534186786	1200	50		
5871	Let Us C	Kanetkar	Ocean	
9812377456	500	100		
3113	Logical Reasoning	Upadhyay	McGraw Hill	
8254987460	600	30		
3969	OOP in C++	Balagurusamy	KPP	
7219186999	800	200		
3111	Quant Aptitude	Arun Sharma	McGraw Hill	
8254987420	875	30		

```
+-----+-----+-----+-----+
---+-----+-----+
7 rows in set (0.00 sec)
```

QUERY – Arrange books in descending order by price

```
mysql> select * from book order by price desc;
```

```
+-----+-----+-----+-----+
---+-----+-----+
| b_id | b_name          | author          | publication | isbn
| price | copies |
+-----+-----+-----+-----+
---+-----+-----+
| 4106 | Java            | Schildt         | Pearson    |
6534186786 | 1200 | 50 |
| 2909 | HTML            | Moschini        | Pearson    |
9817186369 | 1000 | 80 |
| 3111 | Quant Aptitude  | Arun Sharma     | McGraw Hill |
8254987420 | 875 | 30 |
| 3969 | OOP in C++      | Balagurusamy    | KPP        |
7219186999 | 800 | 200 |
| 3113 | Logical Reasoning | Upadhyay        | McGraw Hill |
8254987460 | 600 | 30 |
| 5871 | Let Us C        | Kanetkar        | Ocean      |
9812377456 | 500 | 100 |
| 8421 | 8085            | Stalling        | Oxford     |
9743286369 | 400 | 5 |
+-----+-----+-----+-----+
---+-----+-----+
7 rows in set (0.00 sec)
```

QUERY – Display roll no, name & class of student in order of class BE, TE & SE

```
mysql> select * from student order by field(class, 'BE', 'TE', 'SE');
```

```
+-----+-----+-----+-----+-----+-----+
| roll_no | s_name    | dept | class | issue_date | return_date |
+-----+-----+-----+-----+-----+-----+
| 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 |
+-----+-----+-----+-----+-----+-----+
9 rows in set (0.00 sec)
```

QUERY – Display name of all students from TE-IT

```
mysql> select s_name from student where class='TE' and dept='IT';
+-----+
| s_name |
+-----+
| Mahesh |
+-----+
1 row in set (0.00 sec)
```

QUERY – Display name of staff members excluding IT

```
mysql> select S_name from staff where dept!='IT';
+-----+
| S_name |
+-----+
| Bob    |
| Vikram |
| Ravi   |
| Steph  |
+-----+
4 rows in set (0.00 sec)
```

QUERY – Display all books whose price is in between 250 to 750

```
mysql> select * from book where price between 250 and 750;
+-----+-----+-----+-----+-----+
| b_id | b_name          | author   | publication | isbn      |
| price | copies |
+-----+-----+-----+-----+-----+
| 3113 | Logical Reasoning | Upadhyay | McGraw Hill | 8254987460 |
600 | 30 |
| 5871 | Let Us C          | Kanetkar | Ocean       | 9812377456 |
500 | 100 |
| 8421 | 8085              | Stalling | Oxford      | 9743286369 |
400 | 5 |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

QUERY – Display all students from Mechanical dept. who issued books from 1st July to 7th July

```
mysql> select * from student where dept='Mech' and issue_date
between '2019-07-01' and '2019-07-07';
+-----+-----+-----+-----+-----+-----+
| roll_no | s_name | dept | class | issue_date | return_date |
+-----+-----+-----+-----+-----+-----+
|      8045 | Aditya | Mech | SE     | 2019-07-04 | 2019-07-15 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

QUERY – Display name of students from Computer dept. whose name does not start with A

```
mysql> select s_name from student where dept='Comp' and s_name not
like 'A%';
+-----+
| s_name |
+-----+
| Rutuja |
| Pranav |
+-----+
2 rows in set (0.00 sec)
```

QUERY – Display publication of books whose ISBN contains 20 at the end

```
mysql> select publication from book where ISBN like '%20';
+-----+
| publication |
+-----+
| McGraw Hill |
+-----+
1 row in set (0.00 sec)
```

QUERY – Display books in ascending order whose publication is NULL

```
mysql> select * from book where publication='NULL' order by b_name
asc;
+-----+-----+-----+-----+-----+-----+
| b_id | b_name      | author      | publication | isbn      |
price | copies |
+-----+-----+-----+-----+-----+-----+
| 5871 | Let Us C    | Kanetkar    | NULL        | 9812377456 |
500 | 100 |
| 3969 | OOP in C++  | Balagurusamy | NULL        | 7219186999 |
800 | 200 |
+-----+-----+-----+-----+-----+-----+
```

```
+-----+-----+-----+-----+-----+-----+-----+
----+-----+
2 rows in set (0.00 sec)
```

QUERY - Display first 10 highest priced books from library

```
mysql> select * from book order by price desc limit 10;
```

```
+-----+-----+-----+-----+-----+-----+-----+
---+-----+-----+
| b_id | b_name          | author      | publication | isbn
| price | copies |
+-----+-----+-----+-----+-----+-----+-----+
---+-----+-----+
| 4106 | Java            | Schildt     | Pearson     |
6534186786 | 1200 | 50 |
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| 3113 | Logical Reasoning | Upadhyay    | McGraw Hill |
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| 5871 | Let Us C        | Kanetkar    | NULL        |
9812377456 | 500 | 100 |
| 8421 | 8085            | Stalling    | Oxford      |
9743286369 | 400 | 5 |
+-----+-----+-----+-----+-----+-----+-----+
---+-----+-----+
7 rows in set (0.01 sec)
```

QUERY - Display first 10 lowest priced books from library

```
mysql> select * from book order by price asc limit 10;
```

```
+-----+-----+-----+-----+-----+-----+-----+
---+-----+-----+
| b_id | b_name          | author      | publication | isbn
| price | copies |
+-----+-----+-----+-----+-----+-----+-----+
---+-----+-----+
| 8421 | 8085            | Stalling    | Oxford      |
9743286369 | 400 | 5 |
| 5871 | Let Us C        | Kanetkar    | NULL        |
9812377456 | 500 | 100 |
| 3113 | Logical Reasoning | Upadhyay    | McGraw Hill |
8254987460 | 600 | 30 |
| 3969 | OOP in C++      | Balagurusamy | NULL        |
7219186999 | 800 | 200 |
```

3111	Quant Aptitude		Arun Sharma		McGraw Hill	
8254987420	875	30				
2909	HTML		Moschini		Pearson	
9817186369	1000	80				
4106	Java		Schildt		Pearson	
6534186786	1200	50				
+-----+-----+-----+-----+						
---+-----+-----+						

7 rows in set (0.00 sec)