

GROUP B
ASSIGNMENT 3

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         |
| 8421 | 8085            | Stalling         | Oxford      |
9743286369 | 400 | 5 | E&TC         |
| 8731 | Printing Machines | Diwan            | KPP         |
9819483458 | 300 | 40 | Printing     |
+-----+-----+-----+-----+-----+
---+-----+-----+-----+-----+
12 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 avg. price of all books

```
mysql> select avg(price) as avg_price from book;
```

avg_price
691.6667

1 row in set (0.00 sec)

QUERY – Display avg. price of all books from IT dept.

```
mysql> select avg(price) as avg_it_price from book where dept='IT';
```

avg_it_price
725.0000

1 row in set (0.00 sec)

QUERY – Display count of students who issued books between 1st July and 7th July

```
mysql> select count(*) from student where issue_date between '2019-07-01' and '2019-07-07';
```

count(*)
3

1 row in set (0.00 sec)

QUERY – Display total price of books with no. of copies

```
mysql> select price*copies as total_price from book;
```

```

+-----+
| total_price |
+-----+
|      12500 |
|      30000 |
|      80000 |
|      26250 |
|      18000 |
|     160000 |
|      60000 |
|      50000 |
|      25000 |
|      40000 |
|       2000 |
|      12000 |
+-----+
12 rows in set (0.00 sec)

```

QUERY – Display most expensive book from library

```

mysql> select max(price) from book;
+-----+
| max(price) |
+-----+
|       1200 |
+-----+
1 row in set (0.00 sec)

```

QUERY – Display the cheapest book from library

```

mysql> select min(price) from book;
+-----+
| min(price) |
+-----+
|         250 |
+-----+
1 row in set (0.00 sec)

```

QUERY – Display the current date and time using now()

```

mysql> select now();
+-----+
| now() |
+-----+
| 2019-07-15 14:26:15 |
+-----+
1 row in set (0.00 sec)

```

QUERY – Display yesterday's time and date

```
mysql> select (now() -interval 1 day);
+-----+
| (now() -interval 1 day) |
+-----+
| 2019-07-14 14:51:42      |
+-----+
1 row in set (0.00 sec)
```

QUERY – Display date and time 1 hour before

```
mysql> select (now() -interval 1 hour);
+-----+
| (now() -interval 1 hour) |
+-----+
| 2019-07-15 13:52:38      |
+-----+
1 row in set (0.00 sec)
```

QUERY – Display name of all books by author 'Khor' having price more than 300

```
mysql> select * from book where author='Khor' and price>'300';
+-----+-----+-----+-----+-----+-----+-----+-----+
---+-----+
| b_id | b_name | author | publication | isbn          | price |
copies | dept  |
+-----+-----+-----+-----+-----+-----+-----+-----+
---+-----+
| 2006 | Python | Khor   | Sun          | 9749186952    | 600   |
50    | IT    |
+-----+-----+-----+-----+-----+-----+-----+-----+
---+-----+
1 row in set (0.00 sec)
```

QUERY – Display books details having max price by dept.

```
mysql> select dept, max(price) as most_expensive_book from book
group by dept;
+-----+-----+
| dept          | most_expensive_book |
+-----+-----+
| Comp          | 1200                |
| E&TC          | 400                  |
| Elec          | 800                  |
| IT            | 1000                 |
+-----+-----+
```

Management	875
Mech	500
Printing	300
+-----+	

7 rows in set (0.00 sec)