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Assignment: Write the 10 SQL queries on the suitable database application using SQL DML statements

Enter password: ****

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 11

Server version: 8.0.37 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> create database rajesh3;
Query OK, 1 row affected (0.12 sec)
```

```
mysql> use rajesh3
Database changed
```

```
mysql> create table emp(emp_id int primary key auto_increment,emp_fname char(20) not null,
emp_lname char(20) not null,emp_salary int,join_date date);
Query OK, 0 rows affected (0.57 sec)
```

```
mysql> desc emp;
```

Field	Type	Null	Key	Default	Extra
emp_id	int	NO	PRI	NULL	auto_increment
emp_fname	char(20)	NO		NULL	
emp_lname	char(20)	NO		NULL	
emp_salary	int	YES		NULL	
join_date	date	YES		NULL	

5 rows in set (0.00 sec)

```
mysql> insert into emp values(1,'rajesh','kapoor',20000,'2015-02-23'
->);
```

Query OK, 1 row affected (0.05 sec)

```
mysql> insert into emp values(2,'raj','kapoor',40000,'2017-08-14');
```

Query OK, 1 row affected (0.06 sec)

```
mysql> insert into emp values(3,'sham','kapoor',45000,'2017-08-14');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> select*from emp;
```

emp_id	emp_fname	emp_lname	emp_salary	join_date
1	rajesh	kapoor	20000	2015-02-23
2	raj	kapoor	40000	2017-08-14
3	sham	kapoor	45000	2017-08-14

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

```
mysql> update emp set emp_salary=25000 where emp_id=3;
Query OK, 1 row affected (0.12 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select*from emp;
+-----+-----+-----+-----+
| emp_id | emp_fname | emp_lname | emp_salary | join_date |
+-----+-----+-----+-----+
|      1 | rajesh    | kapoor    |      20000 | 2015-02-23 |
|      2 | raj       | kapoor    |      40000 | 2017-08-14 |
|      3 | sham      | kapoor    |      25000 | 2017-08-14 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> delete from emp where emp_id=3;
Query OK, 1 row affected (0.03 sec)
```

```
mysql> select*from emp;
+-----+-----+-----+-----+
| emp_id | emp_fname | emp_lname | emp_salary | join_date |
+-----+-----+-----+-----+
|      1 | rajesh    | kapoor    |      20000 | 2015-02-23 |
|      2 | raj       | kapoor    |      40000 | 2017-08-14 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> insert into value(3,'sham','kapoor',25000,'2017-08-14');
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
'3,'sham','kapoor',25000,'2017-08-14')' at line 1
mysql> insert into emp value(3,'sham','kapoor',25000,'2017-08-14');
Query OK, 1 row affected (0.04 sec)
```

```
mysql> select*from emp;
+-----+-----+-----+-----+
| emp_id | emp_fname | emp_lname | emp_salary | join_date |
+-----+-----+-----+-----+
|      1 | rajesh    | kapoor    |      20000 | 2015-02-23 |
|      2 | raj       | kapoor    |      40000 | 2017-08-14 |
|      3 | sham      | kapoor    |      25000 | 2017-08-14 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> select avg(emp_salary) from emp;
+-----+
| avg(emp_salary) |
+-----+
|      28333.3333 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select concat(emp_fname,emp_lname) from emp where emp_salary=40000;
+-----+
| concat(emp_fname,emp_lname) |
```

```

+-----+
| raj Kapoor          |
+-----+
1 row in set (0.00 sec)

```

mysql> select upper(concat(emp_fname,emp_lname))from emp where emp_salary=40000;

```

+-----+
| upper(concat(emp_fname,emp_lname)) |
+-----+
| RAJKAPOOR                          |
+-----+
1 row in set (0.00 sec)

```

mysql> select*from emp where year(join_date)='2015';

```

+-----+-----+-----+-----+-----+
| emp_id | emp_fname | emp_lname | emp_salary | join_date |
+-----+-----+-----+-----+-----+
|      1 | rajesh    | kapoor    |      20000 | 2015-02-23 |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

```

mysql> select*from emp where emp_fname like 'rajesh%';

```

+-----+-----+-----+-----+-----+
| emp_id | emp_fname | emp_lname | emp_salary | join_date |
+-----+-----+-----+-----+-----+
|      1 | rajesh    | kapoor    |      20000 | 2015-02-23 |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

```

mysql> insert into emp value(null,'little','kapoor',null'2017-08-14');
Query OK, 1 row affected (0.05 sec)

mysql> select*from emp;

```

+-----+-----+-----+-----+-----+
| emp_id | emp_fname | emp_lname | emp_salary | join_date |
+-----+-----+-----+-----+-----+
|      1 | rajesh    | kapoor    |      20000 | 2015-02-23 |
|      2 | raj       | kapoor    |      40000 | 2017-08-14 |
|      3 | sham      | kapoor    |      25000 | 2017-08-14 |
|      4 | little    | kapoor    |         NULL | 2017-08-14 |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

```

mysql> select* from emp where emp_id in('1','2','3');

```

+-----+-----+-----+-----+-----+
| emp_id | emp_fname | emp_lname | emp_salary | join_date |
+-----+-----+-----+-----+-----+
|      1 | rajesh    | kapoor    |      20000 | 2015-02-23 |
|      2 | raj       | kapoor    |      40000 | 2017-08-14 |
|      3 | sham      | kapoor    |      25000 | 2017-08-14 |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

```

mysql> select* from emp where emp_id not in(1,2,3);

```

+-----+-----+-----+-----+-----+
| emp_id | emp_fname | emp_lname | emp_salary | join_date |
+-----+-----+-----+-----+-----+

```

4	little	kapoor	NULL	2017-08-14
---	--------	--------	------	------------

1 row in set (0.00 sec)

```
mysql> select* from emp where year(join_date)between'2013' and'2016';
```

emp_id	emp_fname	emp_lname	emp_salary	join_date
1	rajesh	kapoor	20000	2015-02-23

1 row in set (0.00 sec)

```
mysql> select* from emp where year(join_date)between'2016' and'2018';
```

emp_id	emp_fname	emp_lname	emp_salary	join_date
2	raj	kapoor	40000	2017-08-14
3	sham	kapoor	25000	2017-08-14
4	little	kapoor	NULL	2017-08-14

3 rows in set (0.00 sec)