//sql basic operations(remainimgs)

//update the demo_table(emp_02)[join isn't needed]

update demo_table set sal=sal*1.1 where empid=5;

//print the table

select * from demo_table;

```
mysql> select * from demo_table;
+--------+--------+--------+--------+
| empid  | name   | sal    | deptid |
+--------+--------+--------+--------+
|      1 | AA     | 10000  | 01     |
|      2 | BB     | 20000  | 01     |
|      3 | CC     | 15000  | 02     |
|      4 | DD     | 12000  | 02     |
|      5 | EE     | 14300  | 02     |
+--------+--------+--------+--------+
```

//update (join is needed)

update demo_table set sal=sal*1.1 where deptid=(select deptid from demo_table2 where dname='IT');

//print the table

select * from demo_table;

```
+--------+--------+--------+--------+
| empid  | name   | sal    | deptid |
+--------+--------+--------+--------+
|      1 | AA     | 10000  | 01     |
|      2 | BB     | 20000  | 01     |
|      3 | CC     | 16500  | 02     |
|      4 | DD     | 13200  | 02     |
|      5 | EE     | 15730  | 02     |
+--------+--------+--------+--------+
```

//select & where

select name from demo_table where sal>15000;

```
+------+
| name |
+------+
| BB   |
+------+
```

//join two tables demo_table(emp_02) & demo_table2(dept_02)

select * from demo_table,demo_table2;

```
+-------+------+-------+--------+--------+-------+-----------+-------+
| empid | name | sal   | deptid | deptid | dname | dloc      | sal   |
+-------+------+-------+--------+--------+-------+-----------+-------+
|     1 | AA   | 10000 | 01     |      2 | IT    | 3rd floor | 14000 |
|     1 | AA   | 10000 | 01     |      1 | sales | g floor   | 16000 |
|     2 | BB   | 20000 | 01     |      2 | IT    | 3rd floor | 14000 |
|     2 | BB   | 20000 | 01     |      1 | sales | g floor   | 16000 |
|     3 | CC   | 15000 | 02     |      2 | IT    | 3rd floor | 14000 |
|     3 | CC   | 15000 | 02     |      1 | sales | g floor   | 16000 |
|     4 | DD   | 12000 | 02     |      2 | IT    | 3rd floor | 14000 |
|     4 | DD   | 12000 | 02     |      1 | sales | g floor   | 16000 |
|     5 | EE   | 14300 | 02     |      2 | IT    | 3rd floor | 14000 |
|     5 | EE   | 14300 | 02     |      1 | sales | g floor   | 16000 |
+-------+------+-------+--------+--------+-------+-----------+-------+
10 rows in set (0.00 sec)
```

//drop(delete) the column sal from emp_02(demo_table) join demo_table2(dept_02)

alter table demo_table2 drop column sal;

//print the joined table

select * from demo_table,demo_table2;

```
+--------+-------+-------+--------+--------+-------+-----------+
| empid  | name  | sal   | deptid | deptid | dname | dloc      |
+--------+-------+-------+--------+--------+-------+-----------+
|      1 | AA    | 10000 | 01     |      2 | IT    | 3rd floor |
|      1 | AA    | 10000 | 01     |      1 | sales | g floor   |
|      2 | BB    | 20000 | 01     |      2 | IT    | 3rd floor |
|      2 | BB    | 20000 | 01     |      1 | sales | g floor   |
|      3 | CC    | 15000 | 02     |      2 | IT    | 3rd floor |
|      3 | CC    | 15000 | 02     |      1 | sales | g floor   |
|      4 | DD    | 12000 | 02     |      2 | IT    | 3rd floor |
|      4 | DD    | 12000 | 02     |      1 | sales | g floor   |
|      5 | EE    | 14300 | 02     |      2 | IT    | 3rd floor |
|      5 | EE    | 14300 | 02     |      1 | sales | g floor   |
+--------+-------+-------+--------+--------+-------+-----------+
10 rows in set (0.00 sec)
```

//aggregate

select AVG(sal) from demo_table where deptid=(select deptid from demo_table2 where dname='IT');

```
+------------+
| AVG(sal)   |
+------------+
| 13766.6667 |
+------------+
```