**EX.NO:4 SUB QUERY**

**Aim:**

To work with My SQL Sub Query.

**Procedure:**

Sub Query can be simply defined as a query within another query. In other words we can say that a subquery is a query that is embedded in where clause of another query.

**SELECT:**

**-**Sub Query in select statement(command) .

Syntax :

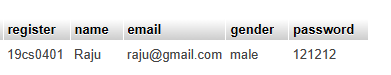
SELECT column\_name FROM table\_name

WHERE (SELECT column\_name FROM table\_name WHERE CONDITION);

Example :

SELECT \* FROM student WHERE (SELECT reg\_no FROM profile\_log WHERE id=3);

Output:



**INSERT:**

**-**Sub Query in insert command.

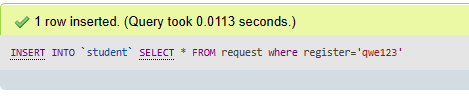
Syntax:

* Insert into table1 select\*From table2;
* Insert into table1 select\*From table2 where condition;

Example:

INSERT INTO `student` SELECT \* FROM request where register='qwe123';

Output:



**UPDATE:**

-Sub Query in update command.

Syntax:

UPDATE table\_name SET column\_Name = Value

WHERE column\_name IN (SELECT column\_name FROM table2 WHERE CONDITION);

Example:

UPDATE student SET `password` ='abcd'

WHERE register IN (SELECT reg\_no FROM profile\_log WHERE id=3);

Output:



**DELETE:**

**-**Sub Query in delete command.

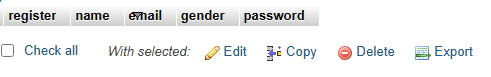
Syntax:

Delete from table where column\_name in (select column\_name from table2 where CONDITION)

Example:

DELETE FROM `student` WHERE register IN(SELECT reg\_no FROM profile\_log WHERE id=3);

Output:



**Result:**

The queries for Triggers were successfully executed and the output is noted