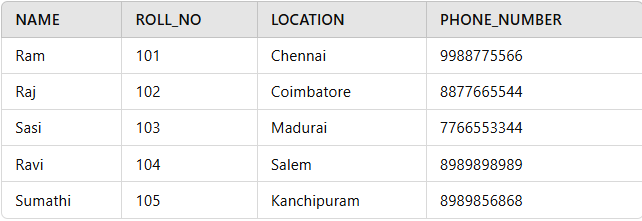
Sub query

Syntax :

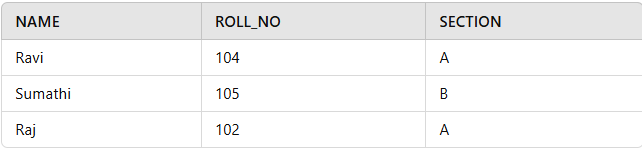
SELECT column\_name  
FROM table\_name  
WHERE column\_name expression operator   
 (SELECT column\_name FROM table\_name WHERE ...);

**1. DATABASE TABLE**



*Database Table*

**2. STUDENT TABLE**



Select details of student in section A

Select \* from database

where roll\_no in (

Select roll\_no from student where section=’A’)

insert all records from the **Student2** table into the **Student1** table

insert into student 1

select \*from student2

**Student1 Table**

| **NAME** | **ROLL\_NO** | **LOCATION** | **PHONE\_NUMBER** |
| --- | --- | --- | --- |
| Ram | 101 | chennai | 9988773344 |
| Raju | 102 | coimbatore | 9090909090 |
| Ravi | 103 | salem | 8989898989 |

**Student2 Table**

| **NAME** | **ROLL\_NO** | **LOCATION** | **PHONE\_NUMBER** |
| --- | --- | --- | --- |
| Raj | 111 | chennai | 8787878787 |
| Sai | 112 | mumbai | 6565656565 |
| Sri | 113 | coimbatore | 7878787878 |

**Query:**

INSERT INTO Student1   
SELECT \* FROM Student2;

**Output**

| **NAME** | **ROLL\_NO** | **LOCATION** | **PHONE\_NUMBER** |
| --- | --- | --- | --- |
| Ram | 101 | chennai | 9988773344 |
| Raju | 102 | coimbatore | 9090909090 |
| Ravi | 103 | salem | 8989898989 |
| Raj | 111 | chennai | 8787878787 |
| Sai | 112 | mumbai | 6565656565 |
| Sri | 113 | coimbatore | 7878787878 |

The subquery retrieves roll numbers of students from **Student1** where the location is ‘**Chennai**‘. The outer query then deletes records from **Student2** whose roll numbers match those from the subquery.

Delect from student2

Where roll\_no in

(

Select roll\_no from student1 where location=’Chennai’

)

The subquery retrieves the locations of ‘Raju’ and ‘Ravi’ from **Student1**. The outer query then updates the **NAME** in **Student2** to ‘Geeks’ for all students whose **LOCATION** matches any of the retrieved locations.

Update student2 set location=’Geeks’

Where location in

(

Select location from student1 where name in(‘Raju’,’Ravi’)

)