i2i Systems
innovation to integration

i2i Academy

Training Document

Topic	Oracle SQL Language Fundamentals I
Document Name	SQL01-EX-03

Document Difficulty Level			
Beginner	**Junior**	**Senior**	**Expert**
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Document History

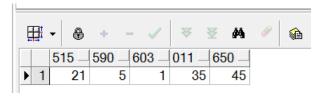| Date	Author	Ver	Comments
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Oracle SQL Language Fundamentals I

Exercise SQL01-EX-03:

Definiton : For example; first three character of PHONE_NUMBER column gives us a operator of employee. Create a report that displays the operators and their total subscriber. But we want two different displays with diffrent queries. (Please use HR.EMPLOYEES table)

Sample Output :

	Operator	Total
1	515	21
2	590	5
3	603	1
4	011	35
5	650	45

	515	590	603	011	650
1	21	5	1	35	45

Objectives : To learn basic SQL keywords like COUNT, SUM, CASE.

Solution of SQL01-EX-03:

For solution of example, please send your answer to your supervisor.

Query

```sql
SELECT SUBSTR(hr.employees.phone_number,1,3)as Operator, COUNT(*) as TOTAL
FROM HR.employees
GROUP BY SUBSTR(hr.employees.phone_number,1,3)
```

Result

	OPERATOR	TOTAL
1	515	21
2	590	5
3	603	1
4	011	35
5	650	45

Query

```sql
Select * FROM (SELECT SUBSTR(hr.employees.phone_number,1,3) op from hr.employees)
PIVOT
(
    COUNT(*) FOR op IN(515,590,603,650,011)
);
```

Result

	515	590	603	650	011
1	21	5	1	45	0