

# i2i Academy

## Training Document

<b>Topic</b>	Oracle SQL Language Fundamentals I
<b>Document Name</b>	SQL01-EX-03

Document Difficulty Level			
Beginner	Junior	Senior	Expert
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## Document History

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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

```
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

```
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