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| **Topic** | Oracle SQL Language Fundamentals I |
| **Document Name** | SQL01-EX-01-05 |
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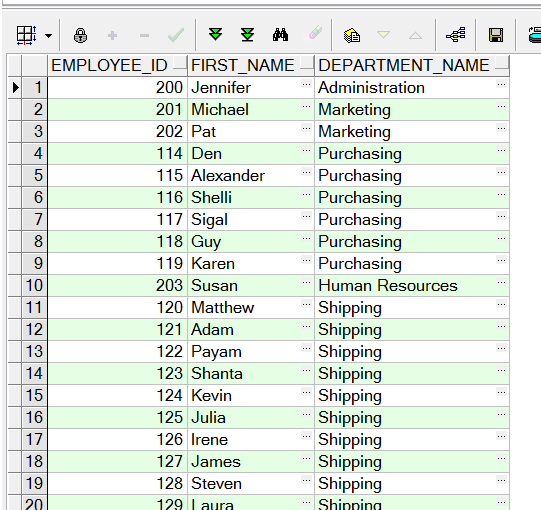
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| **Document Difficulty Level** | | | |
| **Beginner** | **Junior** | **Senior** | **Expert** |
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# Oracle SQL Language Fundamentals I

## Exercise SQL01-EX-01:

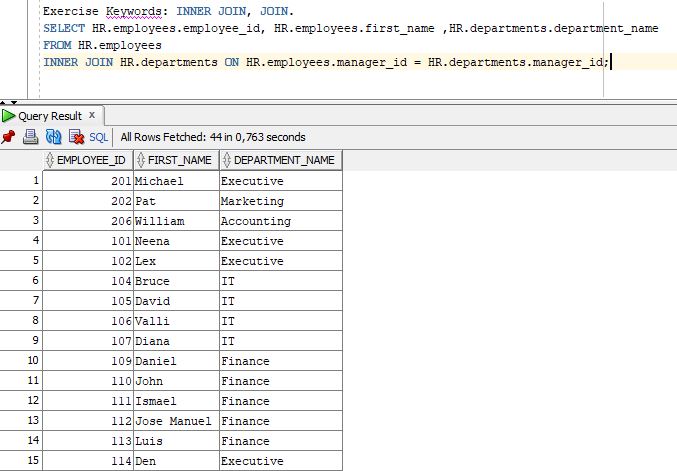
**Definiton :** Write an SQL query that selects employee’s id, employee’s first name and employee’s department name for all employees. (Please use HR.EMPLOYEES and HR.DEPARTMENTS tables.)

**Sample Output :**



**Objectives** : To learn relations on tables and SQL language keyword JOIN.

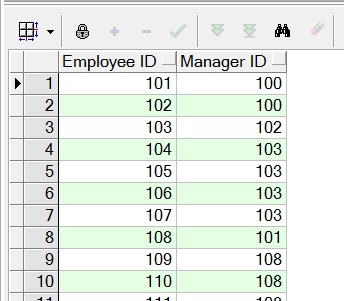
**Exercise Keywords:** INNER JOIN, JOIN.



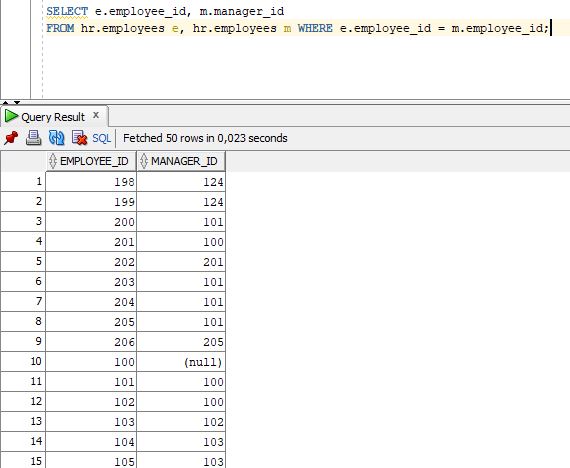
## Exercise SQL01-EX-02:

**Definiton :** Create a report that displays the employee’s id and their manager’s id. (Please use HR.EMPLOYEES table)

**Sample Output :**



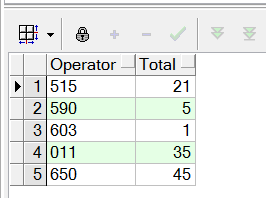
**Objectives** : To learn SQL join logic like SELF JOIN.

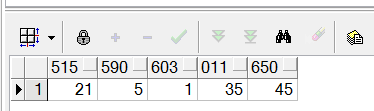


## Exercise SQL01-EX-03:

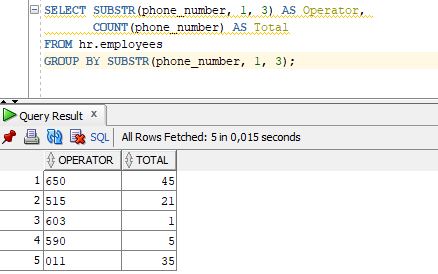
**Definiton :** For example; first three character of PHONE\_NUMBER column gives us a operator of employee. Create a report that displays the operators and their total subscriber. But we want two different displays with diffrent queries. (Please use HR.EMPLOYEES table)

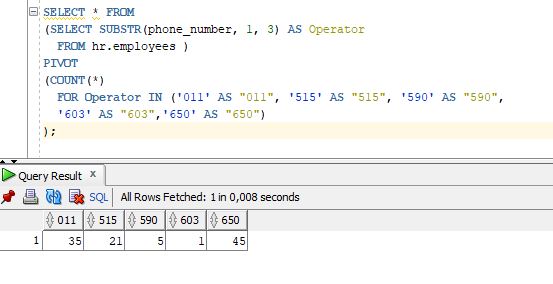
**Sample Output :**





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

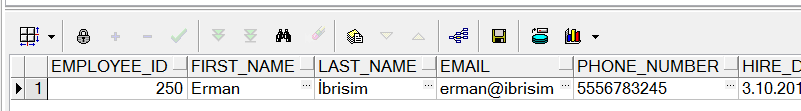


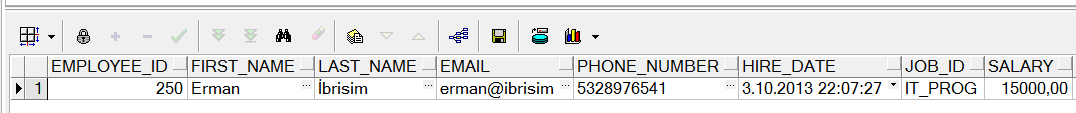


## Exercise SQL01-EX-04:

**Definiton :** Create a table (table name like HR.EMP) from HR.EMPLOYEES table. Insert a new row to HR.EMP table and update this employee’s phone number and salary. Delete your new row and display the HR.EMP table. Finally drop your table HR.EMP.

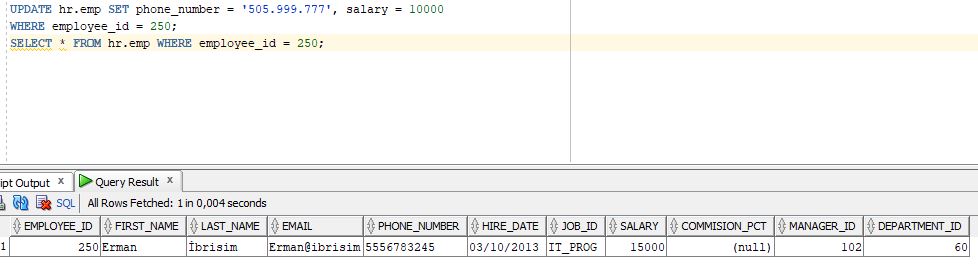
**Sample Output :**

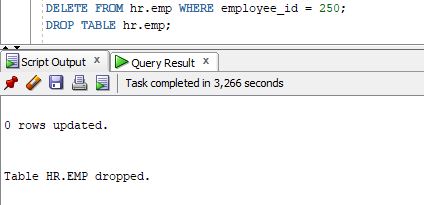




**Objectives** : To learn basic SQL keywords like INSERT, UPDATE, DELETE, DROP and CREATE TABLE from table.



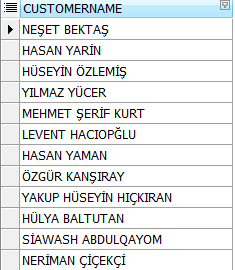




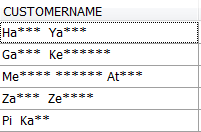
## Exercise SQL01-EX-05:

**Definiton :**

Select employees’ first name and last name as masked with “\*” character as shown in sample output below.



**Sample Output :**



**Objectives** : To learn basic SQL functions like length, substr, instr, trim, initcap, rpad, lpad, regexp\_replace, regexp\_substr

