## 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.)

## Exercise SQL01-EX-01 SOLUTION:

SELECT

e.employee\_id AS "Employee\_ID",

e.first\_name AS "First\_Name",

d.department\_name AS "Department\_Name"

FROM

HR.EMPLOYEES e

JOIN

HR.DEPARTMENTS d ON e.department\_id = d.department\_id;

metin, ekran görüntüsü, sayı, numara, yazı tipi içeren bir resim

Açıklama otomatik olarak oluşturuldu

## Exercise SQL01-EX-02:

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

## Exercise SQL01-EX-02 SOLUTION:

SELECT

e.employee\_id AS Employee,

m.employee\_id AS Manager

FROM

Employees e

LEFT JOIN

Employees m ON e.manager\_id = m.employee\_id;

metin, ekran görüntüsü, sayı, numara, makbuz içeren bir resim

Açıklama otomatik olarak oluşturuldu

## 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)

## Exercise SQL01-EX-03 SOLUTION:

SELECT

SUBSTR(PHONE\_NUMBER, 1, 3) AS Operator,

COUNT(\*) AS Total

FROM

HR.EMPLOYEES

GROUP BY

SUBSTR(PHONE\_NUMBER, 1, 3);

metin, ekran görüntüsü, sayı, numara, yazı tipi içeren bir resim

Açıklama otomatik olarak oluşturuldu

## 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.

## Exercise SQL01-EX-04 SOLUTION:

CREATE TABLE HR\_EMP (

EMPLOYEE\_ID NUMBER,

FIRST\_NAME VARCHAR2(50),

LAST\_NAME VARCHAR2(50),

PHONE\_NUMBER VARCHAR2(20),

SALARY NUMBER

);

INSERT INTO HR\_EMP (EMPLOYEE\_ID, FIRST\_NAME, LAST\_NAME, PHONE\_NUMBER, SALARY)

VALUES (1001, 'John', 'Down', '555-1234', 5000);

UPDATE HR\_EMP

SET PHONE\_NUMBER = '555-5678', SALARY = 6000

WHERE EMPLOYEE\_ID = 1001;

SELECT \* FROM HR\_EMP;

DELETE FROM HR\_EMP

WHERE EMPLOYEE\_ID = 1001;

SELECT \* FROM HR\_EMP;

DROP TABLE HR\_EMP;

metin, ekran görüntüsü, yazı tipi, sayı, numara içeren bir resim

Açıklama otomatik olarak oluşturuldu

## Exercise SQL01-EX-05:

**Definiton :**

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

metin, ekran görüntüsü, yazı tipi, sayı, numara içeren bir resim

Açıklama otomatik olarak oluşturuldu

## Exercise SQL01-EX-05 SOLUTION:

SELECT

RPAD(SUBSTR(FIRST\_NAME, 1, 2), LENGTH(FIRST\_NAME), '\*')

|| ' ' ||

RPAD(SUBSTR(LAST\_NAME, 1, 2), LENGTH(LAST\_NAME), '\*') AS CUSTOMERNAME

FROM

HR.EMPLOYEES;

metin, ekran görüntüsü, yazı tipi, sayı, numara içeren bir resim

Açıklama otomatik olarak oluşturuldu