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| **Topic** | Oracle SQL Language Fundamentals I |
| **Document Name** | SQL02-EX-01-05 |
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## Exercise SQL02-EX-01:

**Definiton :** Write an SQL query that selects employee’s id, employee’s first name, employee’s last name and employee’s **number of months** from hire\_date to today for all employees. (Hint:MONTHS\_BETWEEN)

**SQL:**

SELECT EMPLOYEE\_ID, FIRST\_NAME, LAST\_NAME,

FLOOR(MONTHS\_BETWEEN

( TO\_DATE( (TO\_CHAR(SYSDATE, 'DD-MM-YYYY ')) ,'DD-MM-YYYY') ,

HIRE\_DATE)) "Months"

FROM EMPLOYEES;

**Screenshot:**

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

Açıklama otomatik olarak oluşturuldu

## Exercise SQL02-EX-02:

**Definiton :** Write a query that displays the grade of all employees based on the value of the column JOB\_ID, using the following data: (Use DECODE)

|  |  |
| --- | --- |
| **Job** | **Grade** |
| AD\_PRES | A |
| ST\_MAN | B |
| IT\_PROG | C |
| SA\_REP | D |
| ST\_CLERK | E |
| None of the above | 0 |

**SQL:**

SELECT JOB\_ID FROM EMPLOYEES;

SELECT JOB\_ID AS JOB,

DECODE(JOB\_ID, 'AD\_PRES', 'A',

'ST\_MAN', 'B',

'IT\_PROG', 'C',

'SA\_REP','D',

'ST\_CLERK','E',

'O') Grade

FROM EMPLOYEES ORDER BY Grade;

**Screenshot:**

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

Açıklama otomatik olarak oluşturuldu

## Exercise SQL02-EX-03:

**Definiton :** Write a query for SQL02-EX-02(previous question) with using **CASE WHEN.**

**SQL:**

SELECT JOB\_ID AS JOB,

CASE

WHEN JOB\_ID = 'AD\_PRES' THEN 'A'

WHEN JOB\_ID = 'ST\_MAN' THEN 'B'

WHEN JOB\_ID = 'IT\_PROG' THEN 'C'

WHEN JOB\_ID = 'SA\_REP' THEN 'D'

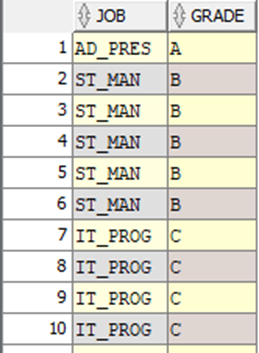
WHEN JOB\_ID = 'ST\_CLERK' THEN 'E'

ELSE '0'

END Grade

FROM EMPLOYEES ORDER BY Grade;

**Screenshot:**

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## Exercise SQL02-EX-04:

**Definiton :** Write a query that displays the employee number and last name of all employees who work in a department with any employee whose last name contains a “i”.

**SQL:**

**SELECT**

**e.EMPLOYEE\_ID,**

**e.LAST\_NAME**

**FROM**

**EMPLOYEES e**

**WHERE**

**e.DEPARTMENT\_ID IN (**

**SELECT DISTINCT DEPARTMENT\_ID**

**FROM EMPLOYEES**

**WHERE LAST\_NAME LIKE '%i%' );**

**Screenshot:**

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

Açıklama otomatik olarak oluşturuldu

## Exercise SQL02-EX-05:

**Definiton :**

* Create a table for MY\_EMP\_TABLE with following columns
* Insert following rows,
* Update salary with 1.10 times of salary value
* Delete rows which first\_name is David
* Truncate table.

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **LAST\_NAME** | **FIRST\_NAME** | **SALARY** |
| 1 | Black | John | 1100 |
| 2 | White | Kent | 1300 |
| 3 | Orange | David | 1700 |
| 4 | Pink | Alissa | 1900 |

**SQL:**

CREATE TABLE MY\_EMP\_TABLE(

ID NUMBER NOT NULL,

LAST\_NAME VARCHAR(30)NOT NULL,

FIRST\_NAME VARCHAR(30),

SALARY NUMBER);

INSERT INTO MY\_EMP\_TABLE VALUES ('1','Black','John','1100');

INSERT INTO MY\_EMP\_TABLE VALUES ('2','White','Kent','1300');

INSERT INTO MY\_EMP\_TABLE VALUES ('3','Orange','David','1700');

INSERT INTO MY\_EMP\_TABLE VALUES ('4','Pink','Alissa','1900');

UPDATE MY\_EMP\_TABLE

SET

SALARY = salary \* 1.10;

DELETE MY\_EMP\_TABLE WHERE FIRST\_NAME = 'David';

**Screenshot:**

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

Açıklama otomatik olarak oluşturuldu