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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,

MONTHS\_BETWEEN(SYSDATE, hire\_date) AS months\_from\_hire

FROM employees;

**Screenshot:**

metin, yazı tipi, sayı, numara, yazılım 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 employee\_id, job\_id,

DECODE(job\_id, 'AD\_PRES', 'A',

'ST\_MAN', 'B',

'IT\_PROG', 'C',

'SA\_REP', 'D',

'ST\_CLERK', 'E',

'0') AS grade

FROM employees;

**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 employee\_id, job\_id,

CASE job\_id

WHEN 'AD\_PRES' THEN 'A'

WHEN 'ST\_MAN' THEN 'B'

WHEN 'IT\_PROG' THEN 'C'

WHEN 'SA\_REP' THEN 'D'

WHEN 'ST\_CLERK' THEN 'E'

ELSE '0'

END AS grade

FROM employees;

**Screenshot:**

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

Açıklama otomatik olarak oluşturuldu

## 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 e1.employee\_id, e1.last\_name

FROM employees e1

WHERE e1.department\_id IN (

SELECT e2.department\_id

FROM employees e2

WHERE e2.last\_name LIKE '%i%'

);

**Screenshot:**

metin, yazı tipi, çizgi, ekran görüntüsü 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,

LAST\_NAME VARCHAR2(50),

FIRST\_NAME VARCHAR2(50),

SALARY NUMBER

);

INSERT INTO MY\_EMP\_TABLE (ID, LAST\_NAME, FIRST\_NAME, SALARY) VALUES (1, 'Black', 'John', 1100);

INSERT INTO MY\_EMP\_TABLE (ID, LAST\_NAME, FIRST\_NAME, SALARY) VALUES (2, 'White', 'Kent', 1300);

INSERT INTO MY\_EMP\_TABLE (ID, LAST\_NAME, FIRST\_NAME, SALARY) VALUES (3, 'Orange', 'David', 1700);

INSERT INTO MY\_EMP\_TABLE (ID, LAST\_NAME, FIRST\_NAME, SALARY) VALUES (4, 'Pink', 'Alissa', 1900);

UPDATE MY\_EMP\_TABLE

SET SALARY = SALARY \* 1.10;

DELETE FROM MY\_EMP\_TABLE

WHERE FIRST\_NAME = 'David';

TRUNCATE TABLE MY\_EMP\_TABLE;