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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, TIMESTAMPDIFF(MONTH, hire\_date, CURDATE()) AS months\_employed**

**FROM employees;**

**Screenshot:**

metin, ekran görüntüsü, menü 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: (I couldnt use DECODE since im doing this homework in mysql)**

**SELECT employee\_id, first\_name, last\_name,**

**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, menü 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, first\_name, last\_name,**

**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, menü 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 EXISTS (**

**SELECT \***

**FROM employees e2**

**WHERE e2.department\_id = e1.department\_id**

**AND e2.last\_name LIKE '%i%'**

**);**

**Screenshot:**

metin, ekran görüntüsü, siyah beyaz, siyah 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 (

employee\_id INT PRIMARY KEY,

first\_name VARCHAR(50),

last\_name VARCHAR(50),

salary DECIMAL(10, 2)

);

INSERT INTO MY\_EMP\_TABLE (employee\_id, first\_name, last\_name, salary) VALUES

(1, 'John', 'Doe', 50000.00),

(2, 'Jane', 'Smith', 60000.00),

(3, 'David', 'Johnson', 55000.00),

(4, 'Emily', 'Davis', 70000.00);

UPDATE MY\_EMP\_TABLE

SET salary = salary \* 1.10;

DELETE FROM MY\_EMP\_TABLE

WHERE first\_name = 'David';

TRUNCATE TABLE MY\_EMP\_TABLE;

**Screenshot :** metin, ekran görüntüsü, yazı tipi, multimedya yazılımı içeren bir resim

Açıklama otomatik olarak oluşturuldu