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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,**

**ROUND(MONTHS\_BETWEEN(SYSDATE, HIRE\_DATE)) AS MONTHS\_FROM\_HIRE\_DATE**

**FROM EMPLOYEES;**

**Screenshot:**

**metin, ekran görüntüsü, yazılım, multimedya yazılımı 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, FIRST\_NAME, LAST\_NAME,**

**DECODE(JOB\_ID,**

**'AD\_PRES', 'A',**

**'ST\_MAN', 'B',**

**'IT\_PROG', 'C',**

**'SA\_REP', 'D',**

**'ST\_CLERK', 'E', '0') AS JOB\_GRADE**

**FROM EMPLOYEES;**

**Screenshot:**

metin, ekran görüntüsü, yazılım, multimedya yazılımı 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 JOB\_GRADE**

**FROM EMPLOYEES;**

**Screenshot:**

ekran görüntüsü, metin 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 E.EMPLOYEE\_ID, E.LAST\_NAME**

**FROM EMPLOYEES E**

**WHERE E.DEPARTMENT\_ID IN (**

**SELECT DISTINCT E1.DEPARTMENT\_ID**

**FROM EMPLOYEES E1**

**WHERE E1.LAST\_NAME LIKE '%i% );**

**Screenshot:**

metin, 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 a table for MY\_EMP\_TABLE with following columns:**

**CREATE TABLE MY\_EMP\_TABLE (**

**ID NUMBER PRIMARY KEY,**

**LAST\_NAME VARCHAR2(50),**

**FIRST\_NAME VARCHAR2(50),**

**SALARY NUMBER);**

**Insert following rows:**

**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 salary with 1.10 times of salary value:**

**UPDATE MY\_EMP\_TABLE**

**SET SALARY = SALARY \* 1.10;**

**Delete rows which first\_name is David:**

**DELETE FROM MY\_EMP\_TABLE**

**WHERE FIRST\_NAME = 'David';**

**Truncate Table:**

**TRUNCATE TABLE MY\_EMP\_TABLE;**