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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 NUMBER\_OF\_MONTHS ,

ROUND(MONTHS\_BETWEEN(SYSDATE,HIRE\_DATE)/12,2) AS NUMBER\_OF\_YEARS

FROM EMPLOYEES;

**Screenshot:**



**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:**



**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

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 AS GRADE

FROM EMPLOYEES;

**Screenshot:**



**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:**

**Screenshot:**



**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:**

**UPDATE MY\_EMP\_TABLE**

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

**DELETE FROM MY\_EMP\_TABLE**

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

**SELECT \*FROM MY\_EMP\_TABLE;**

**Screenshot:**

