Lab03 – Programacao Avancada

﻿CREATE TABLE EMPLOYEES\_AUDIT (

AUDIT\_ID NUMBER GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY,

EMPLOYEE\_ID NUMBER,

OLD\_SALARY NUMBER,

NEW\_SALARY NUMBER,

CHANGE\_DATE DATE,

USERNAME VARCHAR2(50),

ACTION\_TYPE VARCHAR2(10),

SESSION\_USER VARCHAR2(50),

TERMINAL VARCHAR2(50)

);

﻿CREATE OR REPLACE TRIGGER trg\_audit\_salary

BEFORE UPDATE ON employees

FOR EACH ROW

WHEN (OLD.salary != NEW.salary)

DECLARE

v\_day NUMBER := TO\_NUMBER(TO\_CHAR(SYSDATE, 'DD'));

BEGIN

IF v\_day BETWEEN 1 AND 5 THEN

INSERT INTO employees\_audit (

employee\_id,

old\_salary,

new\_salary,

change\_date,

username,

action\_type,

session\_user,

terminal

) VALUES (

:OLD.employee\_id,

:OLD.salary,

:NEW.salary,

SYSDATE,

SYS\_CONTEXT('USERENV', 'CURRENT\_USER'),

'UPDATE',

SYS\_CONTEXT('USERENV', 'SESSION\_USER'),

SYS\_CONTEXT('USERENV', 'TERMINAL')

);

END IF;

END;

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Para fazer uma atualizacao

UPDATE EMPLOYEES

SET SALARY = SALARY + 100

WHERE EMPLOYEE\_ID = 101;

Para verificar a atualização

SELECT \*

FROM EMPLOYEES\_AUDIT

ORDER BY CHANGE\_DATE DESC;