

# Relatório 03

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## A estrutura da tabela criada

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```
CREATE TABLE AUDITORIA(  
    AUD_ID NUMBER(4),  
    EMPLOYEE_ID NUMBER(6, 0),  
    AUD_USUARIO VARCHAR2(30),  
    AUD_SALARIO_ANTIGO NUMBER(8, 2),  
    AUD_SALARIO_NOVO NUMBER(8, 2),  
    AUD_DATA_ALTERACAO DATE,  
    CONSTRAINT PK_AUDITORIA_AUD_ID PRIMARY KEY (AUD_ID),  
    CONSTRAINT FK_AUDITORIA_EMPLOYEE_ID FOREIGN KEY (EMPLOYEE_ID) REFERENCES  
    EMPLOYEES (EMPLOYEE_ID)  
);
```

## O código-fonte do trigger

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```
CREATE OR REPLACE TRIGGER TRG_AUDITORIA BEFORE UPDATE  
ON EMPLOYEES  
FOR EACH ROW
```

```
DECLARE RES_USER VARCHAR2(30);  
BEGIN  
    SELECT USER INTO RES_USER FROM DUAL;
```

```
    INTO AUDITORIA (AUD_ID, EMPLOYEE_ID, AUD_USUARIO, AUD_SALARIO_ANTIGO,  
    AUD_SALARIO_NOVO, AUD_DATA_ALTERACAO)  
    VALUES (SEQ_AUDITORIA.NEXTVAL, NEW.EMPLOYEE_ID, RES_USER, OLD.SALARY, NEW.SALARY,  
    TO_DATE(SYSDATE));
```

```
END TRG_AUDITORIA;
```

## O select com os dados inseridos pela auditoria

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```
SELECT  
    EMP.FIRST_NAME || ' ' || EMP.LAST_NAME EMPREGADO,  
    AUD.AUD_USUARIO USUARIO,  
    AUD.AUD_SALARIO_ANTIGO SALARIO_ANTIGO,  
    AUD.AUD_SALARIO_NOVO SALARIO_NOVO,  
    AUD.AUD_DATA_ALTERACAO DATA_ALTERACAO  
FROM  
    AUDITORIA AUD  
    INNER JOIN  
    EMPLOYEES EMP  
    ON EMP.EMPLOYEE_ID = AUD.EMPLOYEE_ID;
```

