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1 CREATE TABLE Customer_Log ( log_date DATE, action VARCHAR2(50),
2   old_Phone VARCHAR2(10), old_Gender CHAR, old_Age NUMBER,
3   old_Height FLOAT, old_Weight FLOAT, old_ClosetNo VARCHAR2(10),
4   new_Phone VARCHAR2(10), new_Gender CHAR, new_Age NUMBER,
5   new_Height FLOAT, new_Weight FLOAT, new_ClosetNo VARCHAR2(10)
6 );
7
8 CREATE OR REPLACE TRIGGER customerLogTrigger
9   AFTER INSERT OR UPDATE OR DELETE ON CUSTOMER
10     FOR EACH ROW
11 DECLARE
12   log_action Customer_Log.action%TYPE;
13 BEGIN
14   IF INSERTING THEN
15     log_action := 'Insert';
16     INSERT INTO Customer_Log
17       VALUES (SYSDATE, log_action, null, null, null, null, null, null,
18               :new.PHONE, :new.GENDER, :new.AGE,
19               :new.HEIGHT, :new.WEIGHT, :new.CLOSETNO );
20   ELSIF UPDATING THEN
21     log_action := 'Update';
22     INSERT INTO Customer_Log
23       VALUES (SYSDATE, log_action,
24               :old.PHONE, :old.GENDER, :old.AGE,
25               :old.HEIGHT, :old.WEIGHT, :old.CLOSETNO,
26               :new.PHONE, :new.GENDER, :new.AGE,
27               :new.HEIGHT, :new.WEIGHT, :new.CLOSETNO );
28   ELSIF DELETING THEN
29     log_action := 'Delete';
30     INSERT INTO Customer_Log
31       VALUES (SYSDATE, log_action,
32               :old.PHONE, :old.GENDER, :old.AGE,
33               :old.HEIGHT, :old.WEIGHT, :old.CLOSETNO,
34               null, null, null, null, null, null );
35   ELSE
36     DBMS_OUTPUT.PUT_LINE('This code is not reachable.');
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37 END IF;
38 END;/

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