## Program 1

deletion of a parent record if child records exist. Write a code in PL/SQL to develop a trigger that enforces referential integrity by preventing the

END BEGIN DECLAR & FOR BACH ROW END IF : 节 Select padel-pau CACOUNT >0 Þ PAISE\_APPLICATION EPPOR (-2001, Connot duty dupt'); C-court NUMBER; count(+) Pub count Replace TRIGGER THEN p-dul-par gron Bofore emp where dept-id: - OLD dept-id; PELETE 2 dept

Program 2

and raises an exception if found. Write a code in PL/SQL to create a trigger that checks for duplicate values in a specific column

BND-BEGIN 90 DECLARE 灵 CREATE 日 V-count BND 18: UPDATE Solect BACH RAISE -APPLICATION-EPPOP (-2000), Duplicede 8 Count (1) INTO ROW 70 2 REPLACE NUMBER ; THEN sson TRIGGER J-count chest dup-nane 300 soon where wernam = ma water BEROLE INSERT . NEW . Wes

Program 3

column's values exceeds a certain threshold. Write a code in PL/SQL to create a trigger that restricts the insertion of new rows if the total of a

END. BEGIN CREATE DECLARE ENOTE: 开 Soluct SUHlamot) INTO threshold Constant tob\_ant OR REPLACE total amount + NEW amount > theolad THEN FOR EACH ROW PAISE\_APPLICATION-BROOK (-1000), 'Connot Avect!); NUHBER: TRIGGER NUHBER := 10000; tob ant C- tob amb from soles; BEROLE INSERT ON

Program 4

logs them in an audit table. Write a code in PL/SQL to design a trigger that captures changes made to specific columns and

BUD! BEYIN CREATE FOR EACH BOW from dud where : OLD. Sept-id ! = NOW. Supt-id; (SELECT: OLD. Amprid, I duple of , To-Unial (:OLD duple of), To-Chaptinew, duple from dues where : a.D. Ecolory ! = NED. Salary MINION ALL (SELECT: OLD. AMP-19, 'SOLDY', TO-CHAR(: OLD. SOLDY), TO-CHAR (NEW: Soldy) INSERT INTO emposed (empid, charget wo, old value, now well) UPDATE OF SCS. depleted on emp OR REPLACE TRIGGER trg-enp-changes

3

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Write a code in PL/SQL to implement a trigger that records user activity (inserts, updates, deletes) in an audit log for a given set of tables.

CREATE AFTER PRICE OF dulink BEGIN END. FOR EACH ROW ( case whom Instit into anditay (actor-type, teste you, old-val, new-val, ELSE 'DELETE' END, 'emplages', Case who Case who thereby a updating the new. OR REPLACE ghuer Bang TRIGGER by-andit emp as supplant chazel by) values & the "most when uplating THEN 'update! 02 emp updators or dillitors THEN: \$ LO. + ENID, end, was );

## Program 7

running total column for a table whenever new rows are inserted. Write a code in PL/SQL to implement a trigger that automatically calculates and updates a

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BEGIZ
E3:
                                                                                            PECLARE
                                                                                                         FOR EMON POW
                                                                                                                                        CREATE
                                                                                                                          APTER INSERT
                     UPDATE School SET
                                         STATE
                                            SELECT NUL (MAX ( sumeng botal), 0)+ : NEW
                                                                               botch WHBB ;
                                                                                                                                        OR PEPLACE
                                         total
                                                                                                                           2
                                    Seg.
                                                                                                                          Sclos
                                                                                                                                        TRICHE
                mung-bobes
                                      and a
                 total where
          ed 1: NEW ! d !
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Write a code in PL/SQL to create a trigger that validates the availability of items before allowing an order to be placed, considering stock levels and pending orders.

Creak BEGIN PECLARG FOR ESTICH ROW BEPORE INSERT ON Orders END F; In vistale and Solvet stock level INFO vistor level Vistab level : NEW Havid; Þ PAISE - APRICATION-BROOK (-2000), I Insufficient Stock ); replace < : NEW - CHO. BY THEN NUMBER ; TRIGGER from merting where item. id:

Faculty Signature	Total (15)	Viva(5)	Program/Execution (5)	PL/SQL Procedure(5)	Evaluation Procedure
P	3	5	7	5	Marks awarded

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