

Task-61
11/9/25

procedures, Function and loops.

Aim: To write a programming using PL/SQL procedures, loops on number theory and business like.

1. write a PL/SQL block that calculates the average of player and displays the result.

DECLARE

total_age NUMBER := 0;

num - player NUMBER := 0;

avg - age NUMBER := 0;

BEGIN

-- USING a cursor to loop through all players

FOR player-rec IN (SELECT Age FROM player) LOOP

total_age = total_age + player-rec - summing up the ages.

num - player = num - player + 1;

END LOOP;

-- Calculating the average age.

IF num - player > 0 THEN

avg - age = total_age / num - player;

END IF;

-- Displays the result

DBMS - output.put - LINE

DBMS - output.put - LINE

DBMS - output.put - LINE

write PL/SQL block that insert a new player record into player table.

DECLARE

total_age NUMBER := 0.

num - player NUMBER := 0

avg - age NUMBER := 0

BEGIN

V - Team ID VARCHAR = 4 player ID :: you can generate a unique player ID needed.

V- Team ID VARCHAR(6) = &TEAM ID
 V- FName VARCHAR(30) = &FName;
 V- LName VARCHAR(30) = &LName;
 V- age NUMBER(30) = &age;
 V- age NUMBER(2,5) = &age;
 V- Date of Birth DATE = TO_DATE(&DOB-YYYY-MM-DD);
 V- playing Role VARCHAR(25) = &playing Role;
 V- email VARCHAR(40) = &email;
 V- contact - No NUMBER = &phone) - - Replace with actual
 Contact Number
 BEGIN
 INSERT INTO Player (Player ID, Team ID, FName, LName, V-age,
 V- Date of Birth), V-email, V-contact - no);
 COMMIT;
 DBMS - output.PUT_LINE (Player record inserted successfully);
 EXCEPTION
 WHEN OTHER THEN
 DBMS - output - Line (Error !! SQL-ERRM);
 Roll Back;
 END;

CREATE OR REPLACE FUNCTION Get Total Team Board
 VARCHAR) RETURN NUMBER IS
 V- Total Teams NUMBER 20;
 BEGIN
 SELECT COUNT(*) INTO VTeam FROM WHERE Board ID
 Board ID;
 RETURN - VTotal Teams;
 EXCEPTION
 RETURN 0;
 WHEN OTHER THEN
 -- Handle other exceptions as needed.
 RETURN -1;

CREATE OR REPLACE PROCEDURE Get Even Number player ID
IS BEGIN

FOR player-rec IN (SELECT player ID FROM player WHERE
ID - Number (player ID) MOD 2 = 0;

LOOP

DBMS_OUTPUT_LINE (Even - Number player ID; // player
- rec - player ID);

END LOOP;

END Get Even Number player IDs;

VEL TECH - CSE	
EX NO.	6
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	4
RECORD (5)	5
TOTAL (20)	19
SIGN WITH DATE	

Result: Thus, the RL/SG and loops
on Number theory are
completed and result are verified successfully