

AIM:- To write a programming using SQL procedure

Function Sandeep number theory of business scenario like

1. Write CPL/SQL block that calculates the average age of players & displays the result.
2. Write CPL/SQL block that inserts a new player record into the Player table.
3. To create function that returns the total no. of teams in a particular Cricket Board
4. To write a non-recursive PL/SQL procedure to retrieve even-numbered player ID's registered for a tournament.

Write a SQL block that calculates the average age of players & displays the result

DECLARE

total-age NUMBER = 0;

Num_players NUMBER = 0;

avg_age NUMBER = 0;

BEGIN

— Using a cursor to loop through
— In (SELECT Age FROM Player)

FOR Player - Rec

Loop

total-age = total-age + Player-age;

Submitter VDMP Ages

Num_Players = num_Players + 1, --

No. of Players

END LOOP;

-- calculating the average age

If num_Players > 0 THEN

avg_Age = total_Age / num_Players;

END IF;

-- Displaying the result

DBMS_OUTPUT.PUT_LINE('Total Player: '(num_Players))

DBMS_OUTPUT.PUT_LINE('Average Age: '(avg_Age))

DBMS_OUTPUT.PUT_LINE('AVERAGE AGE: '(avg_Age))

END;

Output:-

Total Players: 14

Total Age: 342

Average Age: 24.42

Write ORACLE/SQL block that inserts a new player record into the player table.

Declare

V_Player_ID VARCHAR(6) := 'PlayerID'; --

You can generate a unique Player ID as need

V_Team_ID VARCHAR(6) := 'TeamID'; --

Replace with the actual TeamID

V_FName VARCHAR(30) := 'fname';

V_Lname VARCHAR(30) := 'lname';

V - Age NUMBER (5,2) = 'age'
V - Date of Birth Date = TO_DATE ('DOB', 'YY-MM-DD')
Replace with the actual Date of Birth
V - PlayingRole VARCHAR (25) = 'PlayingRole'
(PlayingRole)
V - E-mail VARCHAR (40) = 'Email'
V - Contact - NO NUMBER = 'Phone' --
Replace with the actual Contact number

BEGIN

INSERT INTO PLAYER (PlayerID, TeamID, F-Name,
L-Name, Age, Date of Birth, PlayingRole, Email, ContactNo)
VALUES (V-PlayerID, V-TeamID, V-FName, V-LName,
V-Age, V-Date of Birth, V-Playing, V-Email, V-ContactNo);
COMMIT;

DBMS_OUTPUT.PUT_LINE ('Player record inserted
successfully.');

EXCEPTION

WHEN OTHERS THEN

DBMS_OUTPUT.PUT_LINE ('Error: SQL ERROR');

ROLL BACK;

END;

Enter the player ID: 678

Enter the team ID: 11001

Enter the fName: ashut

Enter the lName: Sharma

Enter the Age : 23

Enter of D.O.B. 17-07-1999

Enter the playing Role: All Rounder

Enter the contact-no: 9797181815

Player record inserted successfully.

function successfully created

SQL >

Declare

number res;

Begin

res = GFT Total Team ID Board ('BID01');

DBMS_OUTPUT.PUT_LINE('No. of teams: ' || res)

END;

/

No. of teams: 2

To write anon-recursive PL/SQL procedure to retrieve even-numbered Player ID's registered for any name

CREATE OR REPLACE PROCEDURE

GFT EVEN_NUMBERS(Player_IDs) IS

BEGIN

FOR Player_rec IN (SELECT Player_ID FROM Player WHERE To_NUMBER(Player_ID) MOD 2 = 0)

Loop

DBMS_OUTPUT.PUT_LINE ('Even Numbered Player ID');

Player ID:|| player_ID;

END LOOP;

END CRT Even Numbered Player IDs;

VEL TECH-CSE	
EX NO.	10
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	2
RECORD (5)	5
TOTAL (20)	17
SIGNATURE DATE	16-7-19

Result:- Thus the PL/SQL procedures, functions & loops on numbered theory & business scenarios experiments successfully completed & results get verified