SQL> connect

Enter user-name: vtu30579

Enter password:

Connected

SQL> SET SERVEROUTPUT ON;

SQL> DECLARE

2 total\_age NUMBER := 0;

3 num\_players NUMBER := 0;

4 avg\_age NUMBER := 0;

5 BEGIN

6 FOR player\_rec IN (SELECT age FROM player) LOOP

7 total\_age := total\_age + player\_rec.age;

8 num\_players := num\_players + 1;

9 END LOOP;

10 IF num\_players > 0 THEN

11 avg\_age := total\_age / num\_players;

12 END IF;

13 DBMS\_OUTPUT.PUT\_LINE('Total Players: ' || num\_players);

14 DBMS\_OUTPUT.PUT\_LINE('Total Age: ' || total\_age);

15 DBMS\_OUTPUT.PUT\_LINE('Average Age: ' || avg\_age);

 16  END;

 17  /

Total Players: 5

Total Age: 145

Average Age: 29

PL/SQL procedure successfully completed.

SQL> DECLARE

2 v\_playerid player.playerid%TYPE := 'P106';

3 v\_fname player.fname%TYPE := 'Rohit';

4 v\_lname player.lname%TYPE := 'Sharma';

5 v\_age player.age%TYPE := 37;

6 v\_dob player.dob%TYPE := TO\_DATE('30-APR-1987','DD-MON-YYYY');

7 v\_role player.role%TYPE := 'Batsman';

8 v\_teamid player.teamid%TYPE := 'T01';

9 BEGIN

10 INSERT INTO player(playerid, fname, lname, age, dob, role, teamid)

11 VALUES (v\_playerid, v\_fname, v\_lname, v\_age, v\_dob, v\_role, v\_teamid);

12 DBMS\_OUTPUT.PUT\_LINE('Player record inserted successfully!');

13 EXCEPTION

14 WHEN OTHERS THEN

15 DBMS\_OUTPUT.PUT\_LINE('Error inserting player: ' || SQLERRM);

 16  END;

 17  /

Player record inserted successfully!

PL/SQL procedure successfully completed.

SQL> SELECT playerid, fname, lname, role FROM player;

PLAYERID FNAME LNAME ROLE

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P101 Dhoni M.S. Captain

P102 Rajat Patidar Batsman

P103 Hardik Pandya Allrounder

P104 Virat Kohli Batsman

P106 Rohit Sharma   Batsman

SQL> CREATE OR REPLACE FUNCTION get\_total\_matches

2 (p\_playerid IN player.playerid%TYPE)

3 RETURN NUMBER

4 IS

5 v\_total\_matches NUMBER;

6 BEGIN

7 SELECT NVL(totalmatchesplayed,0)

8 INTO v\_total\_matches

9 FROM player

10 WHERE playerid = p\_playerid;

11 RETURN v\_total\_matches;

12 EXCEPTION

13 WHEN NO\_DATA\_FOUND THEN

14 RETURN 0;

 15  END;

 16  /

Function created.

SQL> SELECT get\_total\_matches('P101') AS total\_matches FROM dual;

TOTAL\_MATCHES

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5

SQL> SET SERVEROUTPUT ON;

SQL> CREATE OR REPLACE PROCEDURE print\_even\_players IS

2 BEGIN

3 FOR rec IN (SELECT playerid FROM player

4 WHERE MOD(TO\_NUMBER(SUBSTR(playerid,-1)),2)=0

5 ORDER BY playerid) LOOP

6 DBMS\_OUTPUT.PUT\_LINE('Even Player ID: ' || rec.playerid);

7 END LOOP;

  8  END;

  9  /

Procedure created.

SQL> EXEC print\_even\_players;

Even Player ID: P102

Even Player ID: P104

PL/SQL procedure successfully completed.

SQL>commit;