SQL> SET SERVEROUTPUT ON;

SQL> DECLARE

2 v\_avg\_age NUMBER(5,2);

3 BEGIN

4 SELECT AVG(Age)

5 INTO v\_avg\_age

6 FROM Player;

7

8 DBMS\_OUTPUT.PUT\_LINE('Average age of players: ' || v\_avg\_age);

9 END;

10 /

Average age of players: 23

PL/SQL procedure successfully completed.

SQL> SET SERVEROUTPUT ON;

SQL>

SQL> DECLARE

2 v\_playerid Player.PlayerID%TYPE := 'P110';

3 v\_teamid Player.TeamID%TYPE := 'TICB01';

4 v\_fname Player.FName%TYPE := 'Keshav';

5 v\_lname Player.LName%TYPE := 'Chandu';

6 v\_age Player.Age%TYPE := 24;

7 v\_dob DATE := TO\_DATE('2001-05-16', 'YYYY-MM-DD');

8 v\_role VARCHAR2(20) := 'Batsman';

9 v\_email VARCHAR2(50) := 'keshavc@gmail.com';

10 v\_phone NUMBER := 9876543210;

11 v\_batting\_style VARCHAR2(20) := 'Right-hand';

12 v\_bowling\_style VARCHAR2(20) := NULL;

13 BEGIN

14 INSERT INTO Player

15 (PlayerID, TeamID, FName, LName, Age, DateOfBirth, Role, Email, Phone\_No, Batting\_Style, Bowl\_Style)

16 VALUES

17 (v\_playerid, v\_teamid, v\_fname, v\_lname, v\_age, v\_dob, v\_role, v\_email, v\_phone, v\_batting\_style, v\_bowling\_style);

18

19 DBMS\_OUTPUT.PUT\_LINE('New player record inserted successfully.');

20 END;

21 /

(PlayerID, TeamID, FName, LName, Age, DateOfBirth, Role, Email, Phone\_No, Batting\_Style, Bowl\_Style)

\*

ERROR at line 15:

ORA-06550: line 15, column 94:

PL/SQL: ORA-00904: "BOWL\_STYLE": invalid identifier

ORA-06550: line 14, column 5:

PL/SQL: SQL Statement ignored

SQL> desc player;

Name Null? Type

----------------------------------------- -------- ----------------------------

PLAYERID NOT NULL VARCHAR2(6)

TEAMID VARCHAR2(10)

FNAME VARCHAR2(30)

LNAME VARCHAR2(30)

AGE NUMBER(5,2)

DATEOFBIRTH DATE

PLAYINGROLE VARCHAR2(25)

EMAIL VARCHAR2(40)

CONTACT\_NO NUMBER

BATTING VARCHAR2(20)

BOWLING VARCHAR2(20)

SQL> SET SERVEROUTPUT ON;

SQL>

SQL> DECLARE

2 v\_playerid Player.PlayerID%TYPE := 'P110';

3 v\_teamid Player.TeamID%TYPE := 'TICB01';

4 v\_fname Player.FName%TYPE := 'Keshav';

5 v\_lname Player.LName%TYPE := 'Chandu';

6 v\_age Player.Age%TYPE := 24;

7 v\_dob DATE := TO\_DATE('2001-05-16', 'YYYY-MM-DD');

8 v\_role VARCHAR2(25) := 'Batsman';

9 v\_email VARCHAR2(40) := 'keshavc@gmail.com';

10 v\_phone NUMBER := 9876543210;

11 v\_batting VARCHAR2(20) := 'Right-hand';

12 v\_bowling VARCHAR2(20) := NULL;

13 BEGIN

14 INSERT INTO Player

15 (PlayerID, TeamID, FName, LName, Age, DateOfBirth, PlayingRole, Email, Contact\_No, Batting, Bowling)

16 VALUES

17 (v\_playerid, v\_teamid, v\_fname, v\_lname, v\_age, v\_dob, v\_role, v\_email, v\_phone, v\_batting, v\_bowling);

18

19 DBMS\_OUTPUT.PUT\_LINE('✅ New player record inserted successfully.');

20 END;

21 /

? New player record inserted successfully.

PL/SQL procedure successfully completed.

SQL> CREATE OR REPLACE FUNCTION Total\_Teams\_In\_Board(

2 p\_boardid IN VARCHAR2

3 )

4 RETURN NUMBER

5 IS

6 v\_count NUMBER;

7 BEGIN

8 SELECT COUNT(\*)

9 INTO v\_count

10 FROM Team

11 WHERE BoardID = p\_boardid;

12

13 RETURN v\_count;

14 END;

15 /

Function created.

SQL> SET SERVEROUTPUT ON;

SQL>

SQL> DECLARE

2 v\_total NUMBER;

3 BEGIN

4 v\_total := Total\_Teams\_In\_Board('BID03');

5 DBMS\_OUTPUT.PUT\_LINE('Total teams under board BID03: ' || v\_total);

6 END;

7 /

Total teams under board BID03: 2

PL/SQL procedure successfully completed.

SQL> ET SERVEROUTPUT ON;

SP2-0734: unknown command beginning "ET SERVERO..." - rest of line ignored.

SQL>

SQL> CREATE OR REPLACE PROCEDURE Get\_Even\_PlayerIDs IS

2 CURSOR c\_players IS

3 SELECT PlayerID

4 FROM Player

5 WHERE MOD(TO\_NUMBER(SUBSTR(PlayerID, 2)), 2) = 0; -- assuming IDs like 'P01', 'P02', etc.

6 BEGIN

7 DBMS\_OUTPUT.PUT\_LINE('Even-numbered PlayerIDs:');

8 FOR rec IN c\_players LOOP

9 DBMS\_OUTPUT.PUT\_LINE(rec.PlayerID);

10 END LOOP;

11 END;

12 /

Procedure created.

SQL> BEGIN

2 Get\_Even\_PlayerIDs;

3 END;

4 /

Even-numbered PlayerIDs:

02

18

62

102

12

66

P110

PL/SQL procedure successfully completed.