SQL>CREATE TABLE Match\_Result (ResultIDvarchar(10) PRIMARY KEY, MatchIDvarchar(10), TeamIDvarchar(6), Result varchar(20), FOREIGN KEY(MatchID) REFERENCES Match(MatchID), FOREIGN KEY(TeamID) REFERENCES Team(TeamID));

SQL>CREATE OR REPLACE TRIGGER trg\_insert\_match\_result AFTER INSERT ON Match

FOR EACH ROW

DECLARE

N NUMBER;

BEGIN

N:=INSTR(UPPER(:NEW.RESULT),'WIN');

IF N>0 AND INSTR(UPPER(:NEW.RESULT),UPPER(:NEW.TEAMID1))>0 THEN

INSERT INTO Match\_Result(ResultID, MatchID, TeamID, Result)

VALUES ('R'||:NEW.MatchID||'1', :NEW.MatchID, :NEW.TeamID1, 'WIN');

INSERT INTO Match\_Result(ResultID, MatchID, TeamID, Result)

VALUES ('R'||:NEW.MatchID||'2', :NEW.MatchID, :NEW.TeamID2, 'FAIL');

ELSE

INSERT INTO Match\_Result(ResultID, MatchID, TeamID, Result)

VALUES ('R'||:NEW.MatchID||'1', :NEW.MatchID, :NEW.TeamID1, 'FAIL');

INSERT INTO Match\_Result(ResultID, MatchID, TeamID, Result)

VALUES ('R'||:NEW.MatchID||'2', :NEW.MatchID, :NEW.TeamID2, 'WIN');

END IF;

END;

SQL>insert into matchvalues('M01','CCB01','TCB01','22-JUN-2022',1.3,'TCB01 - WIN');

SQL>insert into matchvalues('M02','CCB02','TCB02','22-JUN-2022',8.3,'CCB01 - WIN');

SQL>insert into matchvalues('M03','TRIB01','TCB01','24-JUN-2022',8.3,'TCB01 - WIN');

SQL>insert into matchvalues('M04','TRIB01','TCB02','25-JUN-2022',8.3,'TRICB01 - WIN');

SQL>insert into match values('M05','TCB01','TCB02',DATE '2025-09-20',16.00,'TCB02 - WIN');

SQL> Select \* from Match\_Result;

RESULTID MATCHID TEAMID RESULT

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

RM011 M01 CCB01 FAIL

RM012 M01 TCB01 WIN

RM021 M02 CCB02 FAIL

RM022 M02 TCB02 WIN

RM031 M03 TRIB01 FAIL

RM032 M03 TCB01 WIN

RM041 M04 TRIB01 FAIL

RM042 M04 TCB02 WIN

RM051 M05 TCB01 FAIL

RM052 M05 TCB02 WIN

10 rows selected.

SQL>CREATE OR REPLACE VIEW Player\_Team\_View AS SELECT p.PlayerID, p.FName AS FirstName, p.PlayingRole AS PlayingRole, p.Batting AS BattingStyle, p.Bowling AS BowlingStyle, t.TeamID AS TeamID, t.Name AS TeamName, t.Coach AS Coach, t.Captain AS Captain FROM Player p JOIN Team t ON p.TeamID = t.TeamID;

SQL> Select \* from Player\_Team\_View;

PLAYERID FIRSTNAME PLAYINGROLE BATTINGSTY BOWLINGSTY TEAMID TEAMNAME

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COACH CAPTAIN

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1 Raj Bowler left-hand CCB01 ABS EXPRESS

G.D.RAMESH SAMPATH KUMAR

33 Balaji Batsman right-hand CCB01 ABS EXPRESS

G.D.RAMESH SAMPATH KUMAR

2 Krishna Bowler right-hand CCB02 AVG EXPRESS

T.KARTHIK Y.JOHN

18 Kishore ALL ROUNDER left-hand left-hand CCB02 AVG EXPRESS

T.KARTHIK Y.JOHN

19 Karthick Batsman right-hand TCB01 ANGRY BARD

TOM BABU CINIL JOHN

62 Amar Batsman right-hand TCB01 ANGRY BARD

TOM BABU

CREATE OR REPLACE PROCEDURE Get\_Even\_PlayerIDs\_For\_Matches IS

CURSOR even\_players IS

SELECT DISTINCT p.PlayerID, p.FName, p.LName, m.MatchID

FROM Player p

JOIN Team t ON p.TeamID = t.TeamID

JOIN Match m ON (m.TeamID1 = t.TeamID OR m.TeamID2 = t.TeamID)

WHERE MOD(TO\_NUMBER(REGEXP\_SUBSTR(p.PlayerID, '\d+$')), 2) = 0;

v\_countNUMBER := 0;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Even-numbered PlayerIDs registered for Matches:');

FOR rec IN even\_players LOOP

v\_count := v\_count + 1;

DBMS\_OUTPUT.PUT\_LINE('MatchID: ' || rec.MatchID ||

' | PlayerID: ' || rec.PlayerID ||

' | Name: ' || rec.FName || ' ' || rec.LName);

END LOOP;

-- Handle case where no records found

IF v\_count = 0 THEN

RAISE NO\_DATA\_FOUND;

END IF;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

DBMS\_OUTPUT.PUT\_LINE('No even-numbered PlayerIDs found for any match.');

WHEN OTHERS THEN

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

END;

/

SQL> set serveroutput on

SQL> /

Procedure created.

SQL>SET SERVEROUTPUT ON;

SQL>EXEC Get\_Even\_PlayerIDs\_For\_Matches;

Even-numbered PlayerIDs registered for Matches:

MatchID: M02 | PlayerID: 2 | Name: Krishna R

MatchID: M02 | PlayerID: 18 | Name: Kishore K

MatchID: M01 | PlayerID: 62 | Name: Amar J

MatchID: M03 | PlayerID: 62 | Name: Amar J

MatchID: M05 | PlayerID: 62 | Name: Amar J

MatchID: M02 | PlayerID: 102 | Name: Akash G

MatchID: M04 | PlayerID: 102 | Name: Akash G

MatchID: M05 | PlayerID: 102 | Name: Akash G

MatchID: M02 | PlayerID: 12 | Name: Premkumar S

MatchID: M04 | PlayerID: 12 | Name: Premkumar S

MatchID: M05 | PlayerID: 12 | Name: Premkumar S