

task-7:- Triggers, Views and Exceptions

19/9/2025

Aim:- To conduct events, views perceptions one (CRUD) operations for restricting phenomenon.

- To Create a trigger is PL/SQL that automatically inserts a new record in the match-result table when a new record is inserted into the match table.
- To create a view that displays the details of players along with their team details.
- To write a non-recursive PL/SQL procedure to retrieve event numbered players IDs registered for any tournament.

a) CREATE OR REPLACE TRIGGER insert_

AFTER insert on match
for each Row.

Begin:

Insert into match-result (match ID) = (Team ID), Result)

Values (:new.matchID; :new.TeamID, 'pending') --

Assuming a default value of 'pending' for Result:

End:

/

b) SQL > Create view player Team.Details As Select p-player ID
) P-Pname As player-name, P-team ID As player-Team, P-Captain
 As player captain, (select + name from team + where + team ID =
 P.teamID;) As team-name, (select + coach from team + where + teamID)
 = P.teamID;) As team-coach. (select + captain from team + where +
 team ID = P.teamID) As team captain. From players P;

SQL > Select * from player Team .Details;

c) Create or Replace Procedure /

Get even player IDs - for tournament (in-tournament-id)

Number, out even-players-ids sys.ODC .Number List). As

Begin:

Out-even-players-ids = sys .ODC / NUMBERLIST(); --

Even Player ID: 2
Even Player ID: 10
Even Player ID: 44

PL/SQL procedure successfully completed.

base. erweitern. erneut -> J02). J0. seit 2017 -> flüssig
transparenz erreichbar zu zeigen und leicht verständlich machen kann.
Gefragt ob es möglich ist die entsprechenden Werte zu ändern.

Player ID	Name	Age	Goals	Assists	Total Points
2	John Doe	28	12	8	20
10	Jane Smith	32	15	7	22
44	Mike Johnson	25	10	9	19
1	Sarah Williams	29	14	6	20

View created.

.... Initialize the collection.
.... populate the collection with even numbered player ID's
for the specified tournament

for player_rec IN (select player_ID from players where
Tournament_ID = in_tournament_id AND MOD(player_ID, 2) = 0) loop
out_even_players_ids(out_even_players_ids_count);
:= player_rec.player_ID;
End loop;
End;

DECLARE

tournament_id numbers := 123; -- Replace with the
designed tournament ID.

even_players_ids sys.ODC / Number list;

Begin

Get Even players IDs for tournament(tournament_id, even_players_id)

-- You can use the even Tournament (tournament_id, collection is
needed

-- For example, to print the even player ids;

For example, to print the even player ids;

for i in :even_players_ids . count loop

DBMS_output.PUT_Line ('Even players ID: ' || even_players_ids(i));

End loop;

End

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Result: — Thus, the Triggers, views and exceptions Using

Functional is Executed Completed Successfully and
Verified

VEL TECH - CSE	
EX NO.	?
PERFORMANCE (3)	7
RESULT AND ANALYSIS (5)	7
VIVA VOCE (6)	7
RECORD (5)	7
TOTAL (20)	20
SIGN WITH DATE	19/9