

8/9/25

## Task-7:- Triggers, views and Exceptions

Aim:- To conduct events, views, exceptions on CRUD operation for restricting phenomenon.

To create a trigger in PL/SQL that automatically inserts a new record in the match-result when a new record is inserted into the match table.

```
CREATE OR REPLACE TRIGGER insert-match-  
result AFTER INSERT ON match  
FOR EACH ROW  
BEGIN
```

```
INSERT INTO match-result (match ID, teamID,  
result)
```

```
VALUES (:new.matchID, :new.teamID, :new.pending);  
-- Assuming a default value of pending for result.  
END;
```

To create a view that displays the details of player along with their team details.

```
SQL > CREATE VIEW Player Team Details AS SELECT player  
coach, p.captain AS player captain, (SELECT c.name FROM  
team t. WHERE t.team ID = p.team ID) AS Team Name,  
(SELECT t.coach FROM t. WHERE t.team ID = p.team ID)  
AS Team Coach, (SELECT t.captain FROM team t. WHERE  
t.team = p.team ID) = p AS Team captain FROM player p;  
SQL > select from player Team Details;
```

To write a new-recursive PL/SQL Procedure to even-numbered player IDs

```
CREATE OR REPLACE PROCEDURE  
GET even player IDs for Tournament (in tournament_id  
number)
```



BEGIN

out-even-player-ids := sys. DCI NUMBER (0); --  
Initialize the collection.

DELAAT

Tournament-id Number = 123; -- Replace with the desired  
tournament: ID even-player-ids sys. DCI NUM-BT RLIST;

BEGIN

Get even player IDs for Tournament (tournament id, even-  
player-ids)

FOR IN 1 -- even-player-ids COUNT loop.

DBMS = output.put - LINE ("even player ID: 1 / even-player-ids (0)");

ENDLOOP

END;

#### VEL TECH - USE

EX NO.	7
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	20
SIGN WITH DATE	✓

RESULT

Thus, the trigger, views and Exceptions experiment  
was successfully completed results are verified.