<u>Task-7 : Triggers, views and Exceptions</u>

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

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

CREATE OR REPLACE TRIGGER <u>Insert_match_result</u>

After insert on match

for each Row

Begin

Insert into match_result (match ID, Team ID, Result)

values (: new_match ID, : new Team ID, 'Pending').

— Assuming a default value of 'Pending' for Result;

End;

* To create a view that displays the details of players along with their team details:

SQL> Create view player Team Details AS select P. player ID, P.fname AS player name, P. teamID AS player coach, P. captain AS player captain, (select t. name from team t where t.teamID = P.team ID) AS Team name, (select t. Coach from ID=P.team AS Team name AS team coach, (select, t captain from team .t where t.teamID = P. team ID) AS team Captain from player P;

SQL> select * from player Team Details;

* To write a non-recursive PL/SQL procedure to retriev even_numbered player IDs registered for any tournament.

Create or Replace Procedure

Get even player IDs for tournament (in_tournment_id number, Out_even_player ID sys-ODC/NUMBER LIST) AS

Begin

out_even_player_ids := sys. ODC/NUMBER LIST();

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

PL/SQL procedure successfully
completed.
```

View created.

-- Initialize the collection
-- populate the collection with even numbered
player ID for the specified tournament
for player - rec IN (select player ID from player
where Tournment ID= in_tournament_id AND
MOD) (player ID,2)=0) loop.
out_even_player_ids (out_even_player_Ids_coung
= player_rec. player ID;
END LOOP;
END;
/
DECLARE
tournment_id number = '123';-- Replace with
the designed tournament ID.
even_player_ids sys.ODCI NUMBER LIST;
BEGIN
Get even player IDS for Tournment (tournment
-id, even-player-Ids);
--You can now use the even_player-ids collection
is needed
-- for example, to print the even player IDS;
for i, N,1... even_player_ids.count loop.
DBMS_output.PUT_LINE ('Even player ID:'ll even
player_ids (i));
End loop;
END;
/

Result : Thus, the conduct events, views,
exception on CROD operations executed
and verified Output successfully CSE

EX NO.	7
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	3
RECORD (5)	20
TOTAL (20)	2
SIGN WITH DATE	26/9/4