Ex No:9 **FUNCTIONS** **Date : .04.2023**

Aim:

To work with simple SQL programs with function for cricket league database management.

PROCEDURE:

STEP1: Start

STEP2: Initialize the required variables

STEP3: Enter the player_id to be updated

STEP4: Enter the no. Of over bowled and runs conceded by the bowler.

STEP5: Calculate the economy : run conceded/over bowled .

STEP6: Update the economy in the stats table.

CODING:

CREATION OF TABLES

```
create table stats21cse110(
p_id number,
runs number,
str_rate decimal,
wickets number,
economy decimal,
stumpings number,
catches number);
```

INSERTION OF DATA

```
insert into stats21cse110 values(001,183,123.27,0,0,4,3);
insert into stats21cse110 values(002,456,143.56,23,7,0,10);
insert into stats21cse110 values(003,0,0.0,0,0.0,0,0);
```

```
insert into stats21cse110 values(004,0,0.0,0,0.0,0,0);


create procedure disp_detail_sample221cse110(player_id number,outs number) is
player stats21cse110%rowtype;
begin
select * into player from stats21cse110 where p_id=player_id;
player.wickets:=player.wickets+outs;
update stats21cse110
set wickets=player.wickets
where p_id=player_id;
end;



sql>set server output on;
declare
pl_id number;
outs number;
begin
pl_id:=&pl_id;
outs:=&outs;
disp_detail_sample221cse110(pl_id,outs);
end;
```

OUTPUT:

	P_ID	RUNS	STR_RATE	WICKETS	ECONOMY	STUMPINGS	CATCHES
1	1	183	123	67	0	4	3
2	2	456	144	77	0	0	10
3	3	123	106	67	0	0	0
4	4	40	160	67	0	0	0

Parameters	**Marks**
Algorithm(10)	
Code(15)	
Total(25)	

RESULT:

Thus the PL/SQL block for creating a function is verified and executed for the cricket league management system.