

Lab – 3.10 | SECTION10_COLLEGE_FEST_DATABASE

IT214 Database Management System, Autumn'2020; Instructor: minal_bhise@daiict, TA: 202011045@daiict.

Objectives: 1) Understand and Run Function.
2) Use trigger to execute functions

Submission: Each student team need to Upload a **single .pdf** file which will contain following things for all the queries listed in (III).

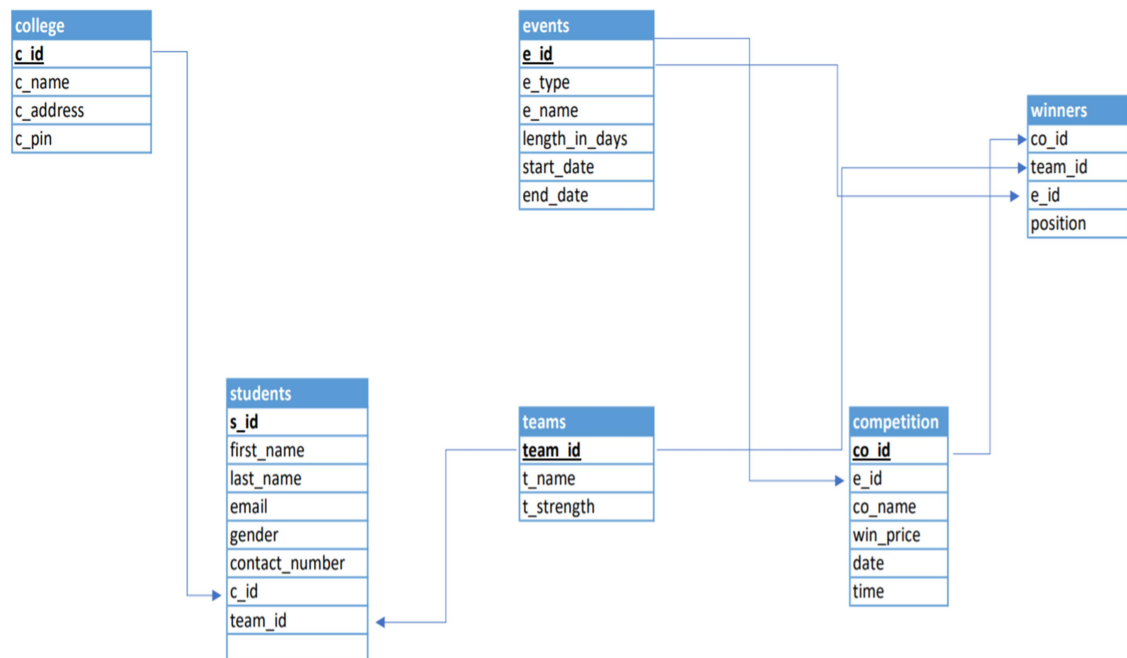
- 1) Write English query, SQL Function & Triggers SQL statements in given sequence.
- 2) Screenshot of results.
- 3) Count of tuples in the results.

I. Set search path to schema:

- a. Expand your Database => Open Query Tool window from Tool. or From SQL Shell.
- b. Type following to Set search path.

```
SET SEARCH_PATH TO CF_DB;
```

- c. Table Schema Diagram.



I. A common assignment for all sections. Create before trigger functions to avoid the common error message.

- a. Create a trigger on Table of your choice to check if the Primary key ID already exists or not **before** inserting a new record.

& Send a custom reply instead of an error message.
- b. Create a trigger on Table of your choice to check if the Foreign key ID already exists or not **before** inserting a new record.

& Send a custom reply instead of an error message.

II. Run Trigger and Stored procedure queries.

- **Stored Procedure**

1> Create user defined function 'winning_competitions' with one input argument that show the list of winning competitions for particular team name. (Consider top 3 place for winners)

2> Create user defined Function 'events_competition_list' that showing records for event's competitions for particular event name. Competitions list must show like (co_name,winning_price,co_date,co_time)

- **Trigger**

1> Create Trigger name for 'teams' table that check following conditions before insert record into this teams table.

1. check team id is null or not
2. check team name is null or not
3. check team strength less than 1 or not

For these conditions trigger shows respective error message like 'team id should not be null'.

2> Create Trigger for checking on table 'competition' for after insert data you need to check new added competition's winning price is less than 2000 or not. If yes then you have to update winning price with default value 2000.