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Declare variable MySQL trigger

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My question might be simple for you, if you're used to MySQL. I'm used to PostgreSQL SGBD and I'm trying to translate a PL/PgSQL script to MySQL.

Here is what I have :

```
delimiter //  
  
CREATE TRIGGER pgl_new_user  
AFTER INSERT ON users FOR EACH ROW  
BEGIN  
    DECLARE m_user_team_id integer;  
    SELECT id INTO m_user_team_id FROM user_teams WHERE name = "pgl_reporters";  
  
    DECLARE m_projects_id integer;  
    DECLARE cur CURSOR FOR SELECT project_id FROM user_team_project_relationships WHERE user_t  
  
    OPEN cur;  
    ins_loop: LOOP  
        FETCH cur INTO m_projects_id;  
        IF done THEN  
            LEAVE ins_loop;  
        END IF;  
        INSERT INTO users_projects (user_id, project_id, created_at, updated_at, project_a  
        VALUES (NEW.id, m_projects_id, now(), now(), 20);  
    END LOOP;  
    CLOSE cur;  
END//
```

But MySQL Workbench gives me an error on `DECLARE m_projects_id`. I don't really understand because I've the same instruction two lines above...

Any hints ?

EDIT: neubert solved this error. Thanks.

But yet, when I try to insert into users :

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Do you have any idea? Or better, do you know how I can get a better error message?

mysql sql stored-procedures triggers

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edited Apr 5 '13 at 19:32

asked Apr 5 '13 at 18:57

Arthur
2,247 5 20 40

1 Take a look here: [dba.stackexchange.com/questions/25405/...](#) – Cristian Porta Apr 22 '13 at 6:05

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2 Answers

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All DECLAREs need to be at the top. ie.

```
delimiter //  
  
CREATE TRIGGER pgl_new_user  
AFTER INSERT ON users FOR EACH ROW  
BEGIN  
    DECLARE m_user_team_id integer;  
    DECLARE m_projects_id integer;  
    DECLARE cur CURSOR FOR SELECT project_id FROM user_team_project_relationships WHERE user_t  
  
    SET @m_user_team_id := (SELECT id FROM user_teams WHERE name = "pgl_reporters");  
  
    OPEN cur;  
    ins_loop: LOOP  
        FETCH cur INTO m_projects_id;  
        IF done THEN  
            LEAVE ins_loop;  
        END IF;  
        INSERT INTO users_projects (user_id, project_id, created_at, updated_at, project_i  
        VALUES (NEW.id, m_projects_id, now(), now(), 20);  
    END LOOP;  
    CLOSE cur;  
END//
```

share improve this answer

edited Apr 5 '13 at 20:08

answered Apr 5 '13 at 19:02

neubert
9,178 16 56 131

Right ! That's actually solve my problem (in pgsq, you can't `DECLARE` before `BEGIN`, almost the same). I had another error with this script : `Error Code: 1415. Not allowed to return a result set from a trigger`. I replaced the first `SELECT` and I solved it. But then, it still doesn't work. If you want to help me, I've edited my post. – Arthur Apr 5 '13 at 19:32

1 Try replacing the `SELECT @m_user_team_id` with `SET @m_user_team_id :=`. I've updated my post. – neubert Apr 5 '13 at 20:08

just a note: "BEGIN DECLARE m_user_team_id integer;" -> to remember to use DECLARE on top of codes – Bảo Nam Jul 2 '14 at 15:27

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Agree with neubert about the DECLARE statements, this will fix syntax error. But I would suggest you to avoid using opening cursors, they may be slow.

For your task: use INSERT...SELECT statement which will help you to copy data from one table to another using only one query.

[INSERT... SELECT Syntax](#).

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answered Apr 5 '13 at 20:19

amk
266 1 3

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