DBMS LAB-09

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SECTION: ‘5K’

1. Write a trigger on insert to compartment table when a new compartment gets

added to a train and make sure that total number of compartments available in

the train does not exceed more than 4.

DELIMITER $$

CREATE TRIGGER check\_compartment\_count

BEFORE INSERT

ON compartment FOR EACH ROW

BEGIN

DECLARE error\_msg VARCHAR(255);

declare count int;

SET error\_msg = ("Can't have more than 4 compartments");

IF (select count(compartment\_no) from compartment where train\_no=new.train\_no) > 4 THEN

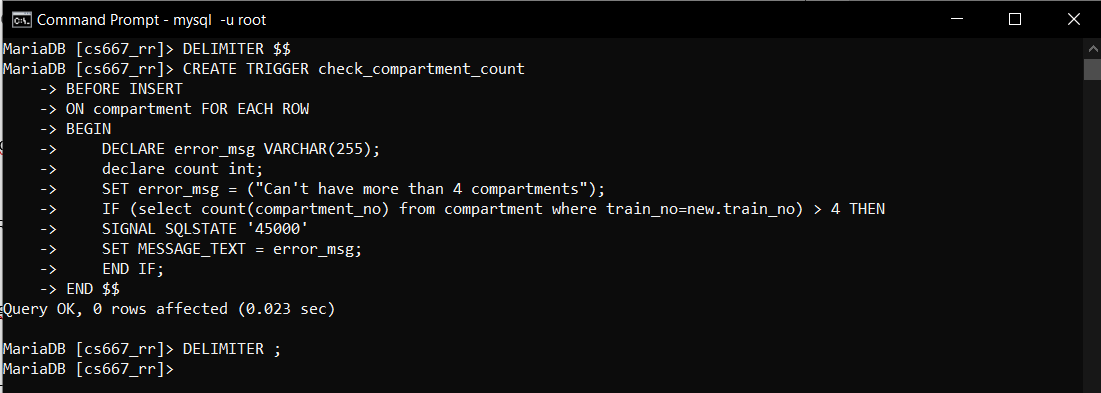
SIGNAL SQLSTATE '45000'

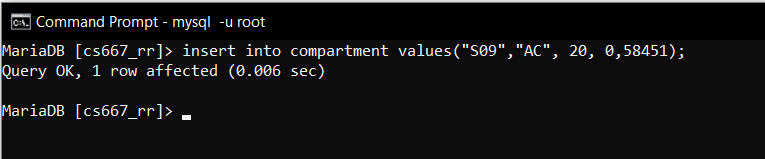
SET MESSAGE\_TEXT = error\_msg;

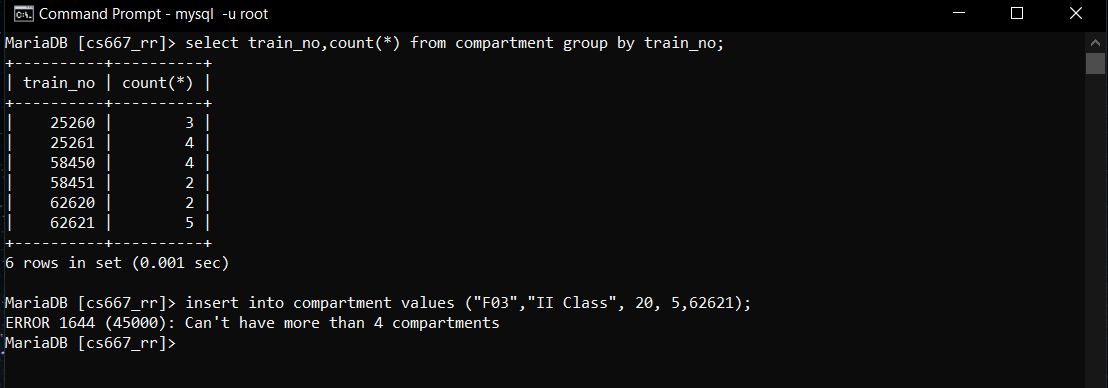
END IF;

END $$

DELIMITER ;



Example 



1. create a trigger to add payment information to the backup table when we try to

delete some information from ticket table.

CREATE TABLE payment\_ ( transaction\_id bigint(20),bank varchar(15),card\_no bigint(20),price float ,pnr varchar(15) NOT NULL, primary key(transaction\_id, pnr));

DELIMITER $$

CREATE OR REPLACE TRIGGER store\_payment\_info before delete on ticket for each row

begin

INSERT INTO payment\_info\_backup (SELECT \* FROM payment\_info WHERE pnr=old.pnr);

DELETE FROM payment\_info where pnr=old.pnr;

DELETE FROM ticket\_passenger where pnr=old.pnr;

END;

$$

DELIMITER ;

