**Name: Adithya M SRN: PES1UG20CS621 Section: K**

**Week 9**

1. DELIMITER $$

CREATE TRIGGER trigger1

BEFORE INSERT ON compartment

FOR EACH ROW

BEGIN

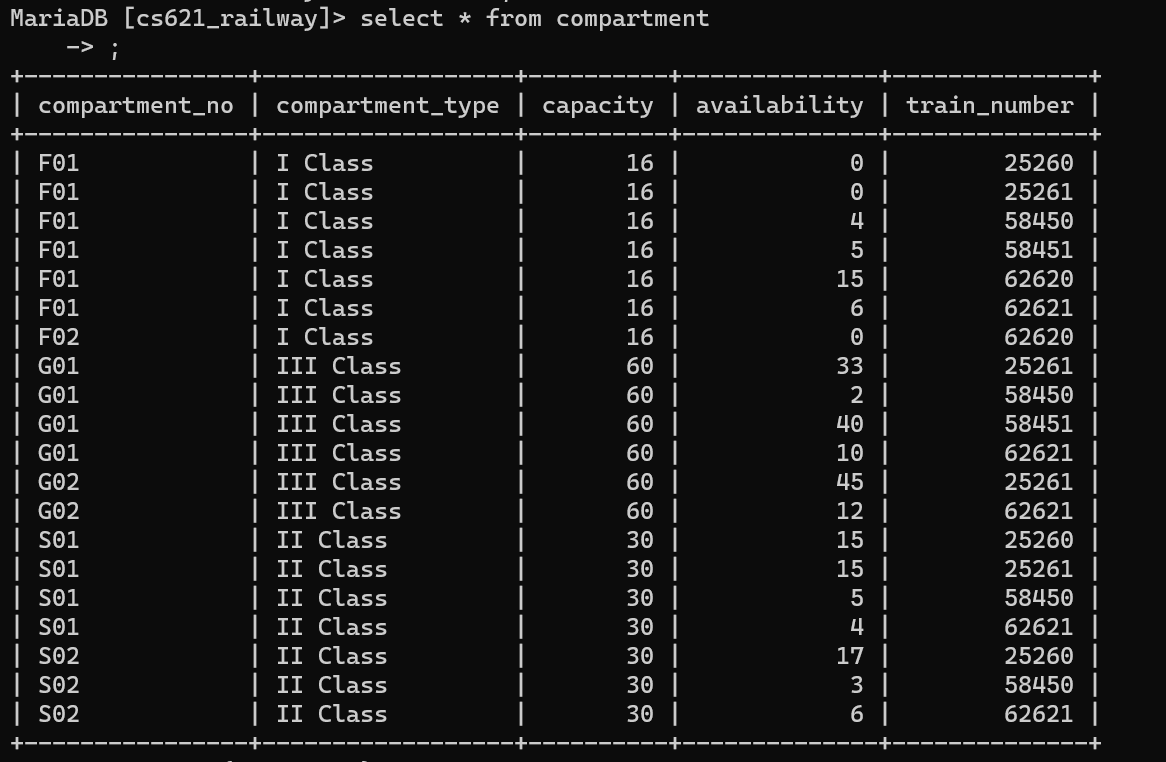
IF (SELECT COUNT(\*) FROM compartment WHERE Train\_Number = NEW.Train\_Number) >= 4 THEN

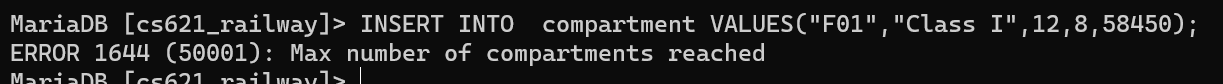
SIGNAL SQLSTATE '50001' SET MESSAGE\_TEXT = 'Max number of compartments reached';

END IF;

END; $$

DELIMITER ;

INSERT INTO compartment VALUES("F01","Class I",12,8,58450); 



1. create table Back\_Up(pnr varchar(10),train\_number int, travel\_date date,departure varchar(30),arrival varchar(30),departure\_time time,arrival\_time time, user\_id varchar(20),train\_type varchar(20), compartment\_type varchar(10),compartment\_no varchar(10),seat\_no varchar(10),name varchar(30),age int(11), transaction\_id int,bank varchar(20),card\_no varchar(20),price int);

ALTER TABLE Ticket\_Passenger ADD CONSTRAINT dt FOREIGN KEY (pnr) REFERENCES Ticket(pnr) on delete cascade;

ALTER TABLE Payment\_info ADD CONSTRAINT dp FOREIGN KEY (pnr) REFERENCES Ticket(pnr) on delete cascade;

DELIMITER $$

CREATE TRIGGER del\_ticket

BEFORE DELETE

ON Ticket FOR EACH ROW

BEGIN

INSERT INTO Back\_Up (SELECT \* FROM (Ticket NATURAL JOIN(Ticket\_Passenger NATURAL JOIN Payment\_info)) WHERE pnr=old.pnr);

END; $$

DELIMITER ;

delete from Ticket where pnr="PNR005";

SELECT \* FROM Back\_Up;

