CS4350 Database Systems   Quiz#6

Name: Loc Nguyen

Given FLIGHT = (FlightN, FromCity, ToCity, Date, DepartureTime, ArrivalTime, MaxCapacity)
 // You may use <, >, !=, or = between any two dates or between any two
times. Also, you may assume the attribute Date = arrival date= departure date and that ToCity
and FromCity are in the same time zone.
W R I T E   A   S T A T E M E N T - L E V E L   and row-level   A F T E R
U P D A T E T R I G G E R   T H A T
P R E V E N T S   T H E ArrivalTime T O   B E   B E F O R E DepartureTime

Statement Level

```
CREATE TRIGGER CheckTime
AFTER UPDATE ON FLIGHT
REFERENCING NEW TABLE AS NewFlight
OLD TABLE AS OldFlight
FOR EACH STATEMENT
WHEN (NewFlight.Arrival Time < NewFlight.ArrivalTime)
BEGIN
        RAISERROR('ArrivalTime is before DepartureTime')
        ROLLBACK TRANSACTION
END;
```

Row Level

```
CREATE TRIGGER CheckTime
AFTER UPDATE ON FLIGHT
REFERENCING NEW ROW AS NewItinerary
OLD ROW AS OldItinerary
FOR EACH ROW
WHEN (NewItinerary.ArrivalTime < NewItinerary.DepartureTime)
        SET NewItinerary.ArrivalTime = OldItinerary.ArrivalTime
```