-- Using PostgreSQL

-- Problem 1

**/\* I'm using nested SELECT statement due to the problem assignment:**

**result have to include count of ALL event plans but not only**

**count of event plan with a work date in December 2018.**

**Hope, I have understood task correctly.**

**If I`m not right: alternative solution is provided below.**

**In alternative solution I am counting event plans with working date in December only.**

**\*/**

**-- This is main solution for problem 1**

SELECT temp.EventNo, DateHeld, COUNT (\*)

FROM EventPlan,

(

SELECT EventPlan.EventNo, DateHeld, COUNT (\*) AS EventPlansNum

FROM EventRequest, EventPlan

WHERE EventRequest.EventNo = EventPlan.EventNo

GROUP BY EventPlan.EventNo, DateHeld, WorkDate

HAVING (Workdate BETWEEN '2018-12-01' AND '2018-12-31')

) AS temp

WHERE temp.EventPlansNum > 1

AND temp.EventNo = EventPlan.EventNo

GROUP BY temp.EventNo, DateHeld;

**/\* Alternative solution for problem 1:**

**I am counting event plans with working date in December only.**

**\*/**

SELECT EventPlan.EventNo, DateHeld, COUNT (\*) AS EventPlansNum

FROM EventRequest, EventPlan

WHERE EventRequest.EventNo = EventPlan.EventNo

AND (Workdate BETWEEN '2018-12-01' AND '2018-12-31')

GROUP BY EventPlan.EventNo, DateHeld

HAVING COUNT (\*) > 1;

