**Задача 1**

SELECT name, COUNT(\*) as count

FROM Passenger p

JOIN Pass\_in\_trip pt ON pt.passenger = p.id

GROUP BY name

ORDER BY count DESC, name

**Задача 2**

SELECT TIMEDIFF(t2.end\_pair, t1.start\_pair) as time

FROM Timepair t1

JOIN Timepair t2 ON t2.id = t1.id + 2

WHERE t1.id = 2

**Задача 3**

SELECT r.\*

FROM Rooms r

JOIN Reservations rs ON rs.room\_id = r.id

WHERE rs.start\_date >= DATE\_ADD('2020-01-01', INTERVAL 11 WEEK) AND rs.start\_date <= DATE\_ADD('2020-01-01', INTERVAL 12 WEEK)

**Задача 4**

SELECT classroom

FROM Schedule

GROUP BY classroom

HAVING count(\*) = (SELECT max(count\_class) FROM (SELECT classroom, count(\*) as count\_class

FROM Schedule

GROUP BY classroom) s1)

**Задача 5**

SELECT

CASE WHEN n1.qty IS NOT NULL THEN n1.qty ELSE 0 END, n1.dt1, n1.dt2

FROM (SELECT n.\*, (SELECT sum(o.out) FROM Outcome\_o o WHERE o.[date]>n.dt1 AND o.[date]<=n.dt2) AS qty

FROM (SELECT DISTINCT i.[date] dt1, LEAD(i.[date]) OVER (ORDER BY i.date) AS dt2

FROM Income\_o i)n

WHERE n.dt1 != n.dt2 AND n.dt2 IS NOT NULL)n1

**Задача 6**

SELECT b3.\*

FROM (SELECT LEAD(b2.rn\_1,3) OVER (ORDER BY b2.rn\_1) AS rn\_1, LEAD(b2.name\_1,3) OVER (ORDER BY b2.date\_1) AS name\_1, LEAD(b2.date\_1,3) OVER (ORDER BY b2.date\_1) AS date\_1, b2.rn\_2, b2.name\_2, b2.date\_2

FROM (SELECT

CASE WHEN b1.group\_number = 1 THEN b1.rn END AS rn\_1,

CASE WHEN b1.group\_number = 1 THEN b1.name END AS name\_1,

CASE WHEN b1.group\_number = 1 THEN b1.[date] END AS date\_1,

CASE WHEN b1.group\_number = 2 THEN b1.rn END AS rn\_2,

CASE WHEN b1.group\_number = 2 THEN b1.name END AS name\_2,

CASE WHEN b1.group\_number = 2 THEN b1.[date] END AS date\_2

FROM (SELECT NTILE(2) OVER (ORDER BY b.[date]) AS group\_number, ROW\_NUMBER() OVER (ORDER BY b.[date]) AS rn, b.name, b.[date]

FROM Battles b)b1)b2)b3

WHERE b3.rn\_1 IS NOT NULL