# №2

(**SELECT** o\_date **FROM** orders **ORDER** **BY** o\_date **ASC** **LIMIT** 1)

**UNION**

(**SELECT** o\_date **FROM** orders **ORDER** **BY** o\_date **DESC** **LIMIT** 1);

# №3

**SELECT** **COUNT**(\*) **FROM** orders;

**SELECT** **COUNT**(**DISTINCT** id\_o) **FROM** orders;

**SELECT** **COUNT**(**DISTINCT** user\_id) **FROM** orders;

# №4

**SELECT**

**YEAR**(o\_date) **AS** o\_year,

**MONTH**(o\_date) **AS** o\_month,

(**SUM**(price) / **COUNT**(**DISTINCT** user\_id)) **AS** mean\_price,

(**COUNT**(id\_o) / **COUNT**(**DISTINCT** user\_id)) **AS** mean\_orders,

**COUNT**(**DISTINCT** user\_id)

**FROM**

orders

**GROUP** **BY**

**MONTH**(o\_date),

**YEAR**(o\_date)

**ORDER** **BY**

o\_year

;

# Среднее количество заказов на одного пользователя снижалось (так как увеличивалось число уникальных пользователей),

# Cредняя сумма заказа на одного пользователя выросла, если не считать просадку в декабре 2017

# №5

**SELECT** user\_id **FROM** orders **WHERE** **YEAR**(o\_date) = 2016 **AND** user\_id **NOT** **IN** (**SELECT** user\_id **FROM** orders o **WHERE** **YEAR**(o\_date) = 2017 **GROUP** **BY** user\_id);

# №6

**SELECT** user\_id, **COUNT**(**DISTINCT** id\_o) **FROM** orders **GROUP** **BY** user\_id **ORDER** **BY** **COUNT**(**DISTINCT** id\_o) **DESC** **LIMIT** 1;

# №7

**SELECT** **SUM**(price)/((**SELECT** **SUM**(price) **FROM** orders **WHERE** **YEAR**(o\_date) = 2016) / 12) **FROM** orders **WHERE** **YEAR**(o\_date) = 2016 **GROUP** **BY** **MONTH**(o\_date);

# №8

**DROP** **TABLE** date\_diffs;

**CREATE** **TABLE** DATE\_DIFFS(time\_diff **BIGINT**);

**INSERT** **INTO** date\_diffs

**SELECT**

**DATEDIFF**(o\_date, **LAG**(o\_date) **OVER**(**ORDER** **BY** user\_id, o\_date)) **AS** time\_diff

**from**

orders

**ORDER** **BY**

user\_id, o\_date

;

**SELECT**

time\_diff,

**COUNT**(time\_diff)

**FROM**

date\_diffs

**GROUP** **BY**

time\_diff

**HAVING**

time\_diff > 0

**ORDER** **BY**

time\_diff

;