# Task No 1

**SELECT**

(**SELECT** firstname **FROM** users **WHERE** id=from\_user\_id) **AS** 'name',

(**SELECT** lastname **FROM** users **WHERE** id=from\_user\_id) **AS** 'lastname',

**COUNT**(from\_user\_id) **AS** 'number of msgs'

**FROM**

messages **AS** m

**JOIN** users **ON** m.from\_user\_id=users.id

**WHERE**

m.to\_user\_id=1

**GROUP** **BY**

m.from\_user\_id

**LIMIT** 1;

# Task No 2

**ALTER** **TABLE** likes

**ADD** **FOREIGN** **KEY** (user\_id)

**REFERENCES** profiles(user\_id)

**ON** **DELETE** **CASCADE**

**ON** **UPDATE** **CASCADE**

;

**SELECT**

l.user\_id ,

u.firstname,

u.lastname,

p.birthday

**FROM**

likes **AS** l

**JOIN** users **AS** u **ON** l.user\_id = u.id

**JOIN** profiles **AS** p **ON** l.user\_id=p.user\_id

**WHERE**

TIMESTAMPDIFF (**YEAR**, birthday, **now**()) < 10

;

# Task No 3

**SELECT**

**COUNT**(l.id) **AS** 'Количество сообщений',

p.gender **AS** 'Пол'

**FROM** likes **AS** l

**JOIN** profiles **AS** p **ON** l.user\_id = p.user\_id

**GROUP** **BY**

p.gender

;