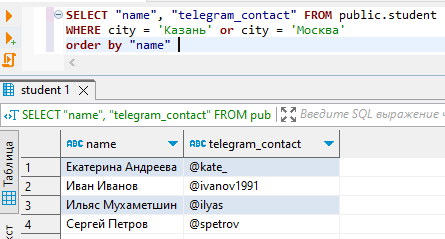
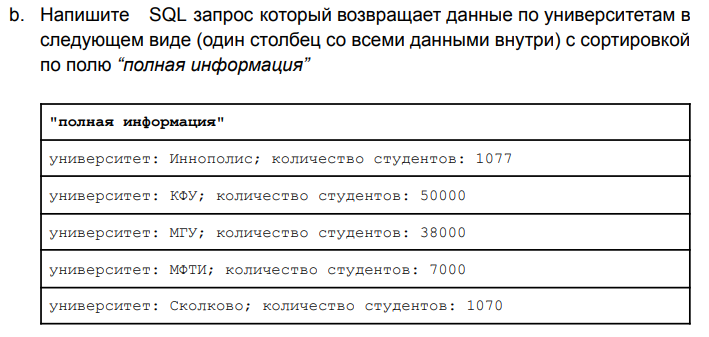


**SELECT** "name", "telegram\_contact" **FROM** public.student

**WHERE** city = 'Казань' **or** city = 'Москва'

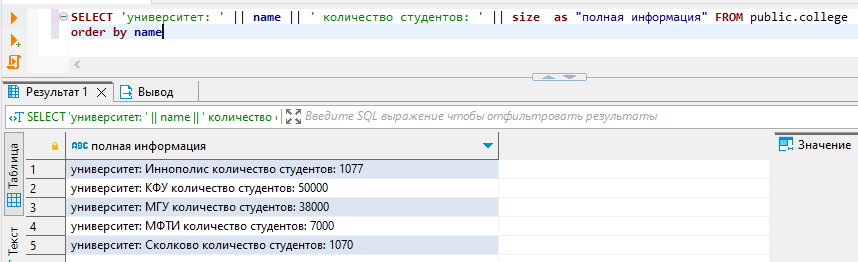
**order** **by** "name"

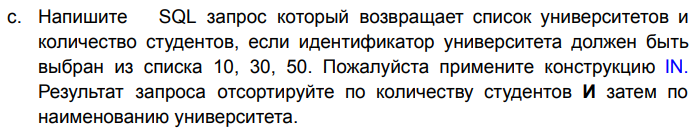




**SELECT** 'университет: ' || **name** || ' количество студентов: ' || **size** **as** "полная информация" **FROM** public.college

**order** **by** **name**

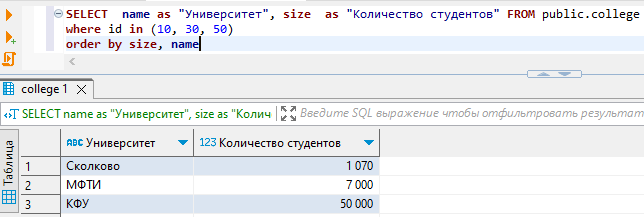


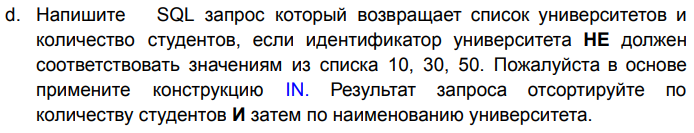


**SELECT** **name** **as** "Университет", **size** **as** "Количество студентов" **FROM** public.college

**where** id **in** (10, 30, 50)

**order** **by** **size**, **name**

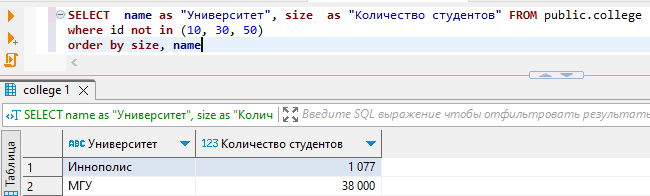


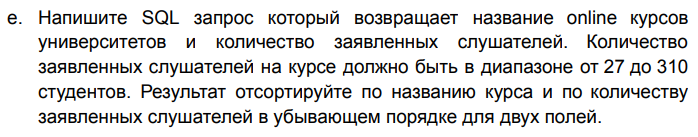


**SELECT** **name** **as** "Университет", **size** **as** "Количество студентов" **FROM** public.college

**where** id **not** **in** (10, 30, 50)

**order** **by** **size**, **name**

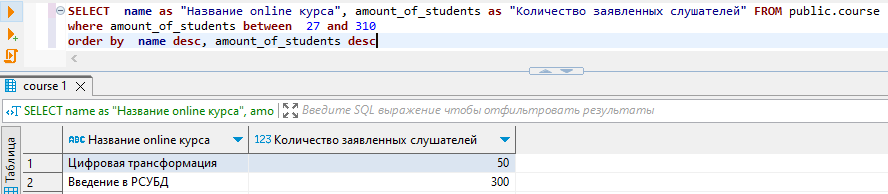


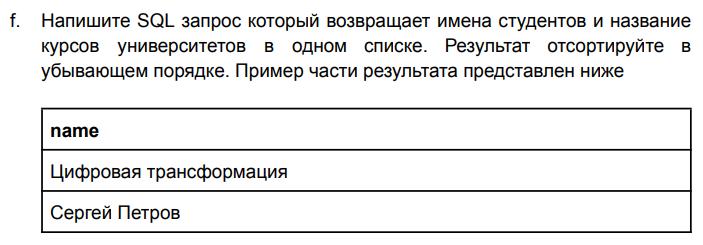


**SELECT** **name** **as** "Название online курса", amount\_of\_students **as** "Количество заявленных слушателей" **FROM** public.course

**where** amount\_of\_students **between** 27 **and** 310

**order** **by** **name** **desc**, amount\_of\_students **desc**



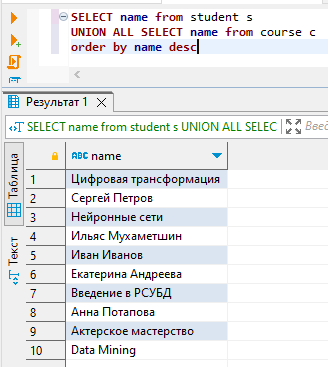


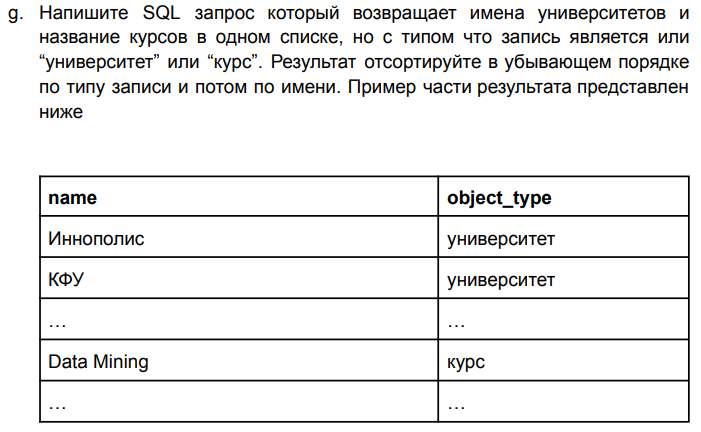


**SELECT** **name** **from** student s

**UNION** **ALL** **SELECT** **name** **from** course c

**order** **by** **name** **desc**

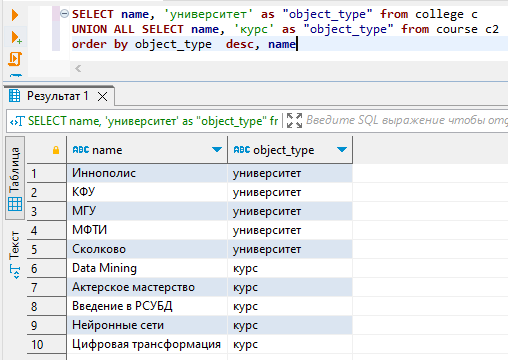


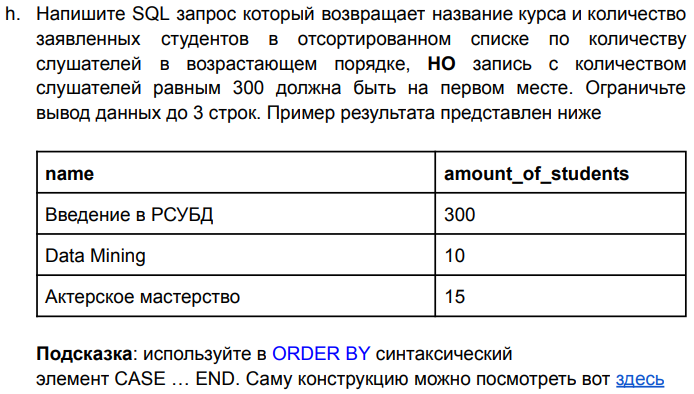


**SELECT** **name**, 'университет' **as** "object\_type" **from** college c

**UNION** **ALL** **SELECT** **name**, 'курс' **as** "object\_type" **from** course c2

**order** **by** object\_type **desc**, **name**





**SELECT** **name** **as** "Название online курса", amount\_of\_students **as** "Количество заявленных слушателей" **FROM** public.course

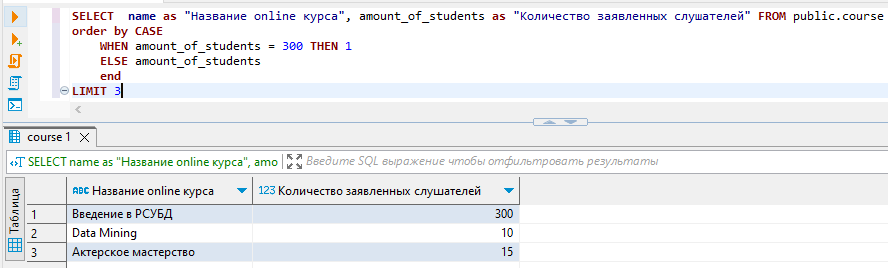
**order** **by** **CASE**

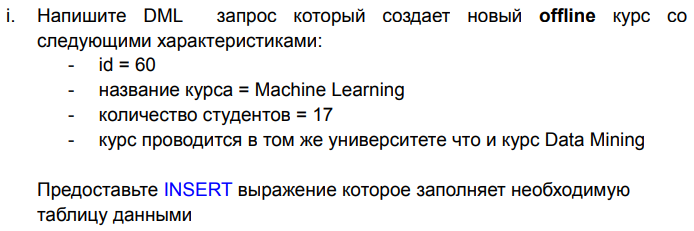
**WHEN** amount\_of\_students = 300 **THEN** 1

**ELSE** amount\_of\_students

**end**

**LIMIT** 3

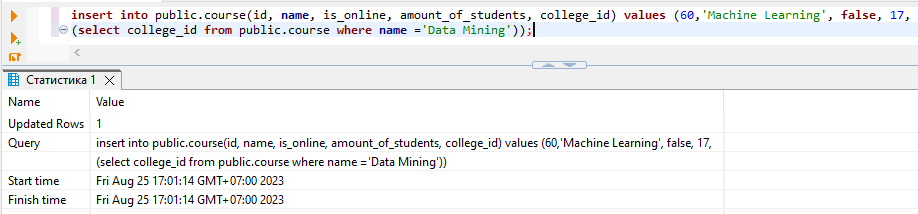


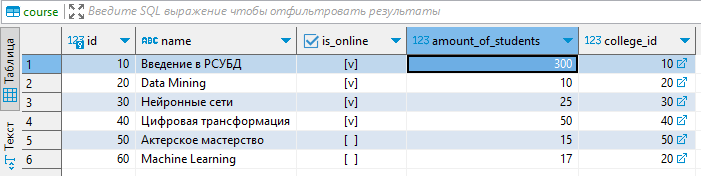


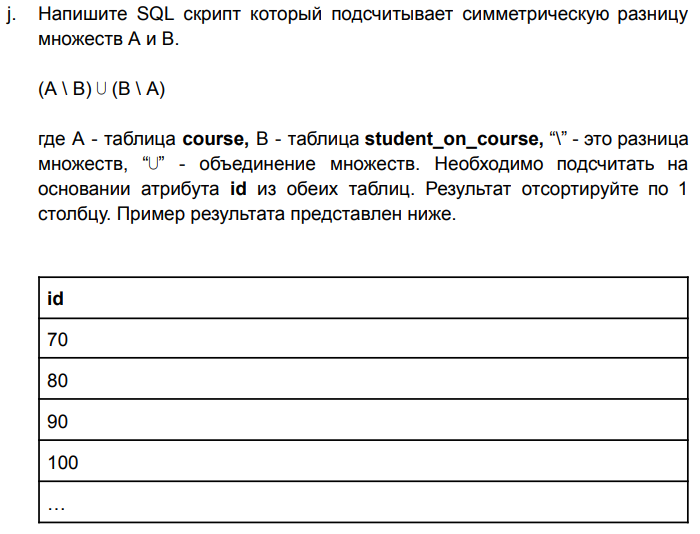


**insert** **into** public.course(id, **name**, is\_online, amount\_of\_students, college\_id) **values** (60,'Machine Learning', **false**, 17,

(**select** college\_id **from** public.course **where** **name** ='Data Mining'));







(

(**select** id **from** course)

**except**

(**select** id **from** student\_on\_course)

)

**UNION**

(

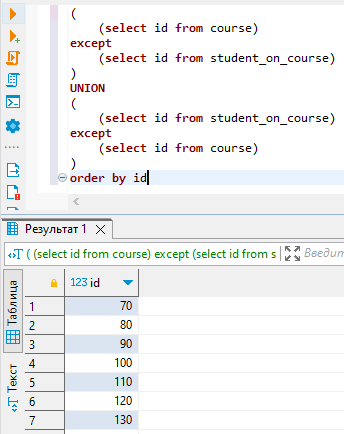
(**select** id **from** student\_on\_course)

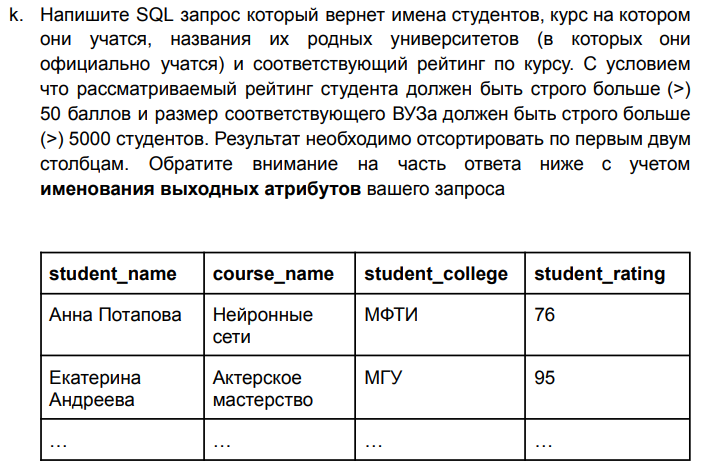
**except**

(**select** id **from** course)

)

**order** **by** id





**select** s.**name** **as** "student\_name", c.**name** **as** "course\_name", c2."name" **as** "student\_college", soc.student\_rating **as** "student\_rating"

**from** student s

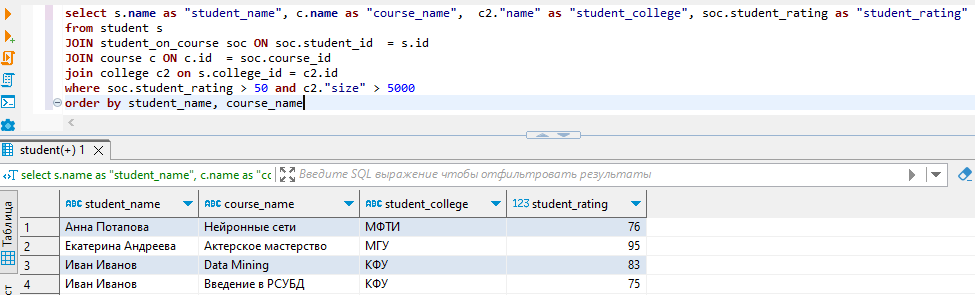
**JOIN** student\_on\_course soc **ON** soc.student\_id = s.id

**JOIN** course c **ON** c.id = soc.course\_id

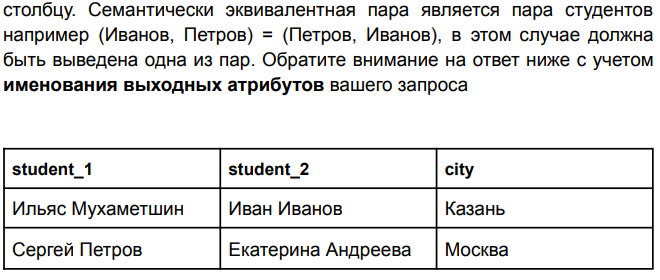
**JOIN** college c2 **on** s.college\_id = c2.id

**where** soc.student\_rating > 50 **and** c2."size" > 5000

**order** **by** student\_name, course\_name





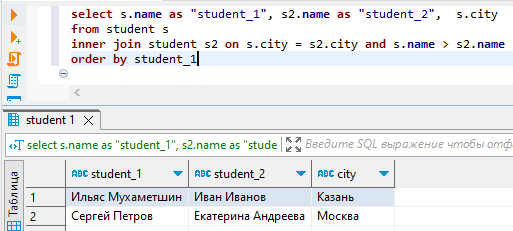


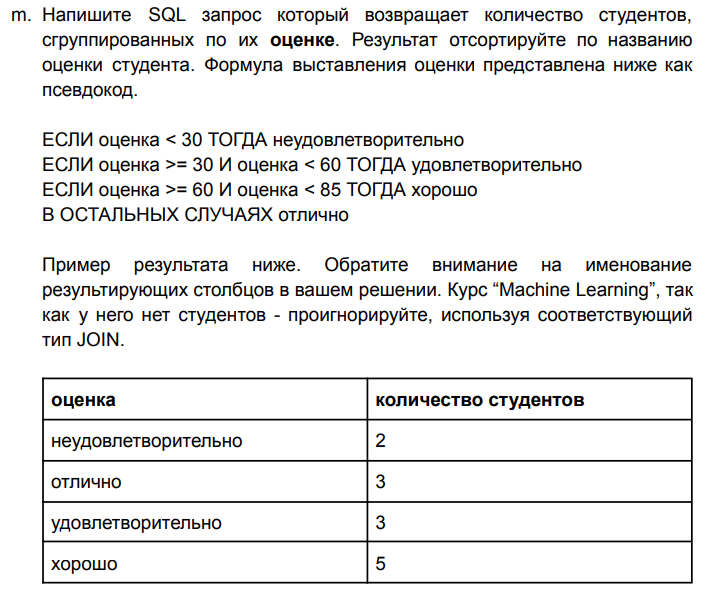
**select** s.**name** **as** "student\_1", s2.**name** **as** "student\_2", s.city

**from** student s

**inner** **join** student s2 **on** s.city = s2.city **and** s.**name** > s2.**name**

**order** **by** student\_1





**select** 'неудовлетворительно' **as** "оценка", **COUNT**(soc.student\_id) **as** "количество студентов"

**from** student\_on\_course soc

**where** soc.student\_rating < 30

**union**

**select** 'удовлетворительно' **as** "оценка", **COUNT**(soc.student\_id) **as** "количество студентов"

**from** student\_on\_course soc

**where** soc.student\_rating >= 30 **and** soc.student\_rating < 60

**union**

**select** 'хорошо' **as** "оценка", **COUNT**(soc.student\_id) **as** "количество студентов"

**from** student\_on\_course soc

**where** soc.student\_rating >= 60 **and** soc.student\_rating < 85

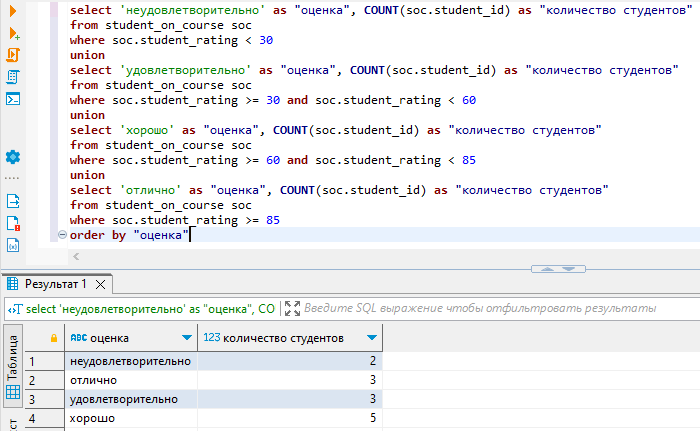
**union**

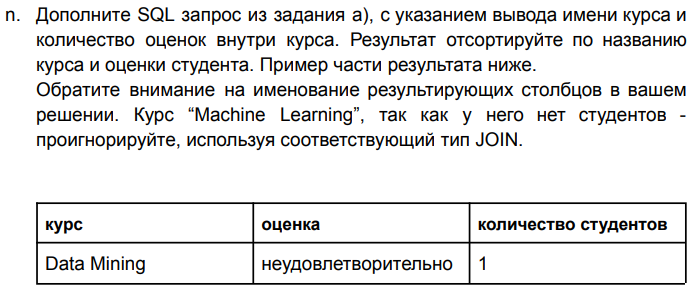
**select** 'отлично' **as** "оценка", **COUNT**(soc.student\_id) **as** "количество студентов"

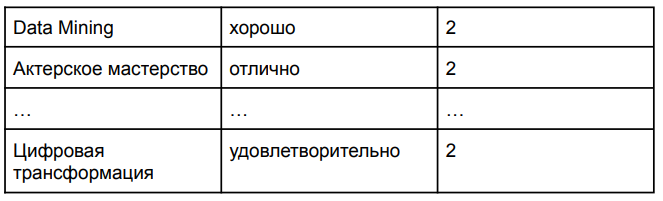
**from** student\_on\_course soc

**where** soc.student\_rating >= 85

**order** **by** "оценка"







**select** c.**name** **as** "курс", 'неудовлетворительно' **as** "оценка", **COUNT**(soc.student\_id) **as** "количество студентов"

**from** student\_on\_course soc

**JOIN** course c **on** c.id = soc.course\_id

**where** soc.student\_rating < 30

**group** **by** c.**name**

**union**

**select** c.**name** **as** "курс", 'удовлетворительно' **as** "оценка", **COUNT**(soc.student\_id) **as** "количество студентов"

**from** student\_on\_course soc

**JOIN** course c **on** c.id = soc.course\_id

**where** soc.student\_rating >= 30 **and** soc.student\_rating < 60

**group** **by** c.**name**

**union**

**select** c.**name** **as** "курс", 'хорошо' **as** "оценка", **COUNT**(soc.student\_id) **as** "количество студентов"

**from** student\_on\_course soc

**JOIN** course c **on** c.id = soc.course\_id

**where** soc.student\_rating >= 60 **and** soc.student\_rating < 85

**group** **by** c.**name**

**union**

**select** c.**name** **as** "курс", 'отлично' **as** "оценка", **COUNT**(soc.student\_id) **as** "количество студентов"

**from** student\_on\_course soc

**JOIN** course c **on** c.id = soc.course\_id

**where** soc.student\_rating >= 85

**group** **by** c.**name**

**order** **by** "курс", "оценка"

