Государственное бюджетное профессиональное образовательное учреждение

«Нижегородский радиотехнический колледж»

ОП.08 Основы проектирования баз данных

ОТЧЁТ

по лабораторной работе №6

## **Тема «Использование вложенных подзапросов в блоке FROM»**

**Цель работы:** изучение структуры запросов, содержащих вложенный подзапрос в блоке FROM.

Выполнил: Проверил:

обучающийся группы 2ИСиП-19-1 Преподаватель

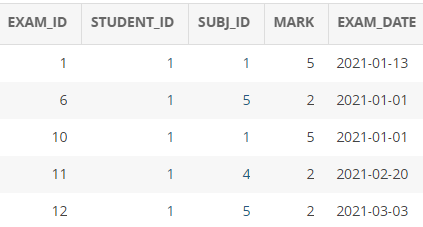
Мамонов Антон Гутянская Е.М.

Нижний Новгород

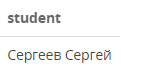
2021г.

26. Если будет несколько таких фамилий, то будет выведены данные об ещё лишних учениках.

select \* from exam\_marks where exam\_marks.student\_id in (select student\_id from student where student.surname='Сергеев')



27. select concat(s.surname, ' ', s.name) as student

from student s, exam\_marks em

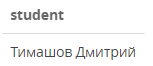
where s.student\_id=em.student\_id

and em.subj\_id=1

group by s.student\_id

having avg(mark) > (select avg(mark)

from exam\_marks)

28. select concat(s.surname, ' ', s.name) as student

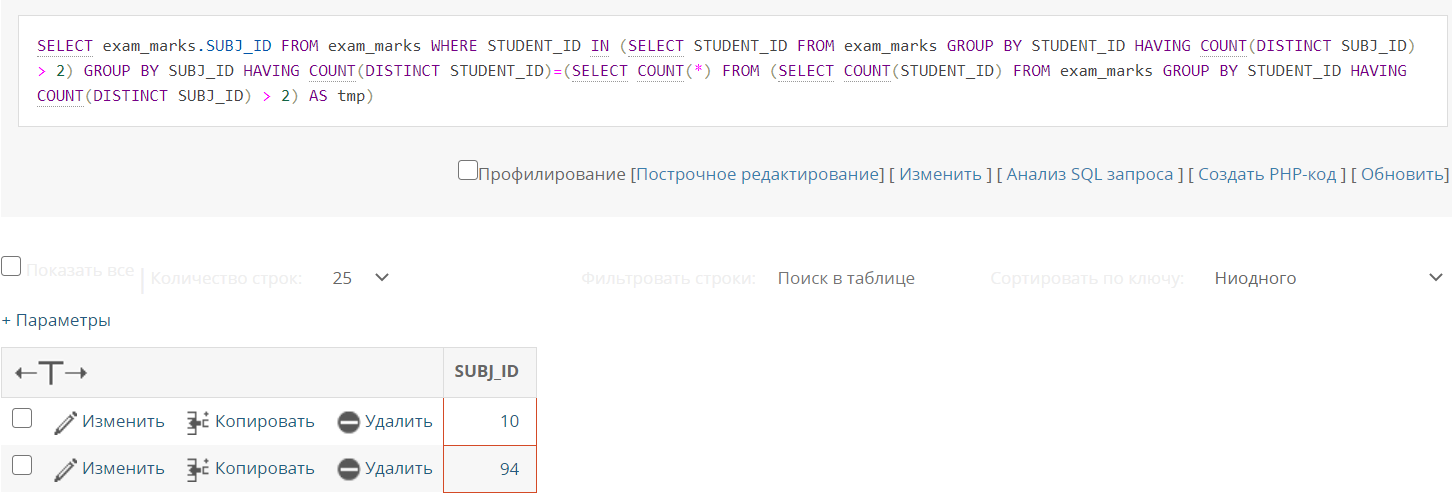
from student s, exam\_marks em

where s.student\_id=em.student\_id

and em.subj\_id=7

group by s.student\_id

having avg(mark) < (select avg(mark) from exam\_marks)

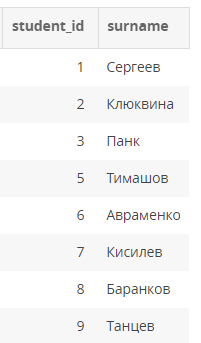
29. select exam\_marks.subj\_id

from exam\_marks

where student\_id in (select student\_id from exam\_marks group by student\_id having count(distinct subj\_id) > 2)

group by subj\_id

having count(distinct student\_id)=(select count(\*) from (select count(student\_id) from exam\_marks group by student\_id having count(distinct subj\_id) > 2) as tmp)



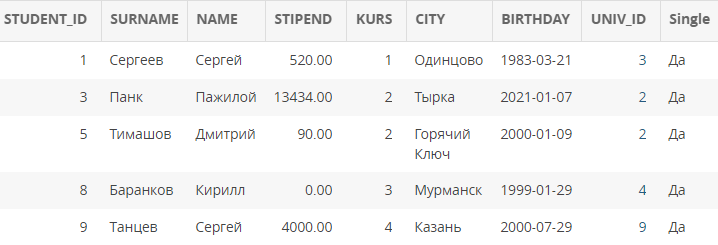
30. select s.student\_id, s.surname

from student s

where s.stipend=(select max(stipend) from student where student.city=s.city)

31. select \* from student

where not exists (select \* from university where university.city=student.city)



32. select \* from student s

where s.student\_id in (select s2.student\_id from university u, student s2 where u.univ\_id=s2.univ\_id and s.city<>u.city)

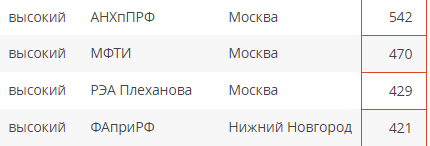


select s.\* from student s left join university u on u.univ\_id=s.univ\_id where u.city<>s.city

41. select 'высокий', univ\_name, city, rating from university where rating >= 300

union

select 'низкий', univ\_name, city, rating from university where rating < 300;



42. select 'успевает', surname, s.student\_id

from student s where 2 < all(select e.mark from exam\_marks e where s.student\_id=e.student\_id) and 1 > (select count(e.mark) from exam\_marks e where mark is null and s.student\_id=e.student\_id) and 0 < (select count(e.mark) from exam\_marks e where s.student\_id=e.student\_id)

union

select 'не успевает', surname, s.student\_id

from student s where 2 = any(select e.mark from exam\_marks e where s.student\_id=e.student\_id) and 1 > (select count(e.mark) from exam\_marks e where mark is null and s.student\_id=e.student\_id) and 0 < (select count(e.mark) from exam\_marks e where s.student\_id=e.student\_id)

union

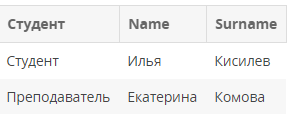
select 'не сдавал', surname, s.student\_id

from student s where 1 <= (select count(\*) from exam\_marks e where mark is null and s.student\_id=e.student\_id) or 0 = (select count(e.mark) from exam\_marks e where s.student\_id=e.student\_id) order by surname

43. SELECT 'Студент', S.Name, S.Surname FROM student S WHERE CITY='Москва'

UNION

SELECT 'Преподаватель', L.Name, L.Surname FROM lecturer L WHERE CITY='Москва'



44. SELECT 'Студент', S.Name, S.Surname FROM student S, university U WHERE S.UNIV\_ID=U.UNIV\_ID AND U.UNIV\_NAME='РЭА Плеханова'

UNION

SELECT 'Преподаватель', L.Name, L.Surname FROM lecturer L, university U WHERE L.UNIV\_ID=U.UNIV\_ID AND U.UNIV\_NAME='РЭА Плеханова'

