

## # Task 1

```
select
    first_name.value,
    last_name.value,
    patronymic.value,
    country.name as country,
    district.name as district,
    region.name as region,
    city.name as city_name,
    city.type as city_type,
    street.type as street_type,
    street.name as street_name,
    address.house_number as house_number,
    address.house_pavilion as house_pavilion,
    address.flat_number as flat_number
from lessons
inner join students on lessons.idStudent = students.id
inner join first_name on first_name.id = students.name2
inner join last_name on last_name.id = students.name1
inner join patronymic on patronymic.id = students.name3
inner join address on students.address_id = address.id
inner join country on address.country_id = country.id
inner join district on address.distirt_id = district.id
inner join region on address.region_id = region.id
inner join city on address.city_id = city.id
inner join street on address.street_id = street.id
where students.id = 181;
```

## # Task 2

```
select
    first_name.value,
    last_name.value,
    patronymic.value,
    country.name as country,
    district.name as district,
    region.name as region,
    city.name as city_name,
    city.type as city_type,
    street.type as street_type,
```

```

        street.name as street_name,
        address.house_number as house_number,
        address.house_pavilion as house_pavilion,
        address.flat_number as flat_number
from lessons
inner join students on lessons.idStudent = students.id
inner join first_name on first_name.id = students.name1
inner join last_name on last_name.id = students.name2
inner join patronymic on patronymic.id = students.name3
inner join address on students.address_id = address.id
inner join country on address.country_id = country.id
inner join district on address.distirct_id = district.id
inner join region on address.region_id = region.id
inner join city on address.city_id = city.id
inner join street on address.street_id = street.id
where students.id between 1 and 10;

```

### # Task 3

```

select
    first_name.value,
        last_name.value,
        patronymic.value,
        country.name as country,
        district.name as district,
        region.name as region,
    city.name as city_name,
        city.type as city_type,
    street.type as street_type,
    street.name as street_name,
    address.house_number as house_number,
    address.house_pavilion as house_pavilion,
    address.flat_number as flat_number
from lessons
inner join students on lessons.idStudent = students.id
inner join first_name on first_name.id = students.name1
inner join last_name on last_name.id = students.name2
inner join patronymic on patronymic.id = students.name3
inner join address on students.address_id = address.id
inner join country on address.country_id = country.id
inner join district on address.distirct_id = district.id
inner join region on address.region_id = region.id

```

```
inner join city on address.city_id = city.id
inner join street on address.street_id = street.id
where last_name.value = 'Апретмюк';
```

# Task4

```
select
    last_name.value as last_name,
    first_name.value as first_name,
    patronymic.value as patronymic,
    university.name as university,
    faculty.name as faculty,
    specialization.name as specialization
from lessons
inner join student on lessons.idStudent = student.id
inner join first_name on student.first_name_id = first_name.id
inner join last_name on student.last_name_id = last_name.id
inner join patronymic on student.patronymic_id = patronymic.id
inner join university on student.university_id = university.id
inner join faculty on student.faculty_id = faculty.id
inner join specialization on student.specialization_id = specialization.id
where last_name.value like 'A3a%';
```

# Task 5

```
select
    last_name.value as last_name,
    first_name.value as first_name,
    patronymic.value as patronymic,
    sum(rating.ratingtypeShort) as total_rating
from lessons
inner join student on lessons.idStudent = student.id
inner join first_name on student.first_name_id = first_name.id
inner join last_name on student.last_name_id = last_name.id
inner join patronymic on student.patronymic_id = patronymic.id
inner join rating on lessons.idRating = rating.id
group by student.id;
```

# Task7

```
select
    last_name.value as last_name,
    first_name.value as first_name,
    patronymic.value as patronymic,
    lessons.idLessonsType as lesson_name,
```

```

        sum(rating.ratingtypeShort) as total_rating
from lessons
inner join student on lessons.idStudent = student.id
inner join first_name on student.first_name_id = first_name.id
inner join last_name on student.last_name_id = last_name.id
inner join patronymic on student.patronymic_id = patronymic.id
inner join rating on lessons.idRating = rating.id
group by student.id, lessons.idLessonsType;

```

#### # Task 8

```

select
    last_name.value as last_name,
    first_name.value as first_name,
    patronymic.value as patronymic,
    lessons.idLessonsType as lesson_name,
    min(rating.ratingtypeShort) as min_rating,
    max(rating.ratingtypeShort) as max_rating
from lessons
inner join students on lessons.idStudent = students.id
inner join first_name on students.name2 = first_name.id
inner join last_name on students.name1 = last_name.id
inner join patronymic on students.name3 = patronymic.id
inner join rating on lessons.idRating = rating.id
group by students.id, lessons.idLessonsType;

```

#### # Task 9

```

select
    last_name.value as last_name,
    first_name.value as first_name,
    patronymic.value as patronymic,
    lessons.idLessonsType as lesson_name,
    avg(rating.ratingtypeShort) as avg_rating,
    min(rating.ratingtypeShort) as min_rating,
    max(rating.ratingtypeShort) as max_rating,
    min(lessons.Date) as date_sarted,
    max(lessons.Date) as date_finished,
    count(*)
from lessons
inner join students on lessons.idStudent = students.id
inner join first_name on students.name2 = first_name.id
inner join last_name on students.name1 = last_name.id

```

```
inner join patronymic on students.name3 = patronymic.id
inner join rating on lessons.idRating = rating.id
group by students.id, lessons.idLessonsType;
```

# Task 10

```
select
```

```
    last_name.value as last_name,
    first_name.value as first_name,
    patronymic.value as patronymic,
    lessons.idLessonsType as lesson_name,
    lessons.Date as date,
    avg(rating.ratingtypeShort) as avg_rating,
    min(rating.ratingtypeShort) as min_rating,
    max(rating.ratingtypeShort) as max_rating,
    count(*)
```

```
from lessons
```

```
inner join students on lessons.idStudent = students.id
inner join first_name on students.name2 = first_name.id
inner join last_name on students.name1 = last_name.id
inner join patronymic on students.name3 = patronymic.id
inner join rating on lessons.idRating = rating.id
group by students.id, lessons.idLessonsType, lessons.Date;
```

# Task 11

```
select
```

```
    last_name.value as last_name,
    first_name.value as first_name,
    patronymic.value as patronymic,
    lessons.idLessonsType as lesson_name,
    lessons.Date as date,
    count(distinct rating.ratingtypeShort) as unique_rating_count,
    avg(rating.ratingtypeShort) as avg_rating,
    min(rating.ratingtypeShort) as min_rating,
    max(rating.ratingtypeShort) as max_rating,
    count(*)
```

```
from lessons
```

```
inner join students on lessons.idStudent = students.id
inner join first_name on students.name2 = first_name.id
inner join last_name on students.name1 = last_name.id
inner join patronymic on students.name3 = patronymic.id
inner join rating on lessons.idRating = rating.id
group by students.id, lessons.idLessonsType, lessons.Date;
```