1. Найти информацию о всех контрактах, связанных с сотрудниками департамента «Logistic». Вывести: contract\_id, employee\_name

SELECT ex.contract\_id,

e.name AS employee\_name

FROM department d JOIN employees e

ON d.id=e.department\_id

JOIN executor ex

ON e.id=ex.tab\_no

WHERE d.name='Logistic'

2. Найти среднюю стоимость контрактов, заключенных сотрудников Ivan Ivanov. Вывести: среднее значение amount

SELECT ROUND(AVG(amount),2) as amount

FROM contract c JOIN executor ex

ON c.id=ex.contract\_id

JOIN employees e

ON ex.tab\_no=e.id

WHERE e.name='Ivan Ivanov'

3. Найти самую часто встречающуюся локации среди всех заказчиков. Вывести: location, count

SELECT location,

COUNT (location)

FROM customer

GROUP BY location

ORDER BY COUNT (location) DESC

LIMIT 1

4. Найти контракты одинаковой стоимости. Вывести count, amount

SELECT amount, COUNT(\*) FROM contract

GROUP BY amount

HAVING COUNT(\*) > 1

5. Найти заказчика с наименьшей средней стоимостью контрактов. Вывести customer\_name, среднее значение amount

Вариант 1:

SELECT cr.customer\_name, ROUND (AVG(ct.amount),2) AS avg\_amount

FROM customer cr JOIN contract ct

ON cr.id=ct.customer\_id

GROUP BY cr.customer\_name

ORDER BY avg\_amount

LIMIT 1

Вариант 2 (через вложенный запрос, но имя заказчика не удалось вывести)

SELECT

ROUND (MIN(avg\_amount),2)

FROM (SELECT cr.customer\_name, AVG(ct.amount) AS avg\_amount

FROM customer cr JOIN contract ct

ON cr.id=ct.customer\_id

GROUP BY cr.customer\_name) X

6. Найти отдел, заключивший контрактов на наибольшую сумму. Вывести: department\_name, sum

Вариант 1

SELECT d.name AS department\_name,

SUM (ct.amount) AS summa

FROM department d JOIN employees e

ON d.id=e.department\_id

JOIN executor er

ON e.id = er.tab\_no

JOIN contract ct

ON er.contract\_id=ct.id

GROUP BY department\_name

ORDER BY summa DESC

LIMIT 1

Вариант 2 (Наименование отдела не получилось вывести)

WITH Myex AS

(

SELECT d.name AS department\_name,

SUM (ct.amount) AS summa

FROM department d JOIN employees e

ON d.id=e.department\_id

JOIN executor er

ON e.id = er.tab\_no

JOIN contract ct

ON er.contract\_id=ct.id

GROUP BY department\_name

)

SELECT MAX(summa)

FROM Myex