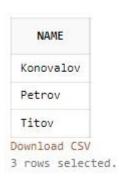
1. Имена сотрудников, у которых предпоследняя буква О.

SELECT NAME FROM EMPLOEES WHERE NAME LIKE('%o_');



2. Название товаров, которые состоят больше, чем из 3 букв, при этом хотя бы одна буква в слове = е.

SELECT NAME FROM PRODUCTS
WHERE NAME LIKE('%e%') AND NAME LIKE('%____%');



3. Все товары, которые продал сотрудник: Титов

SELECT NAME FROM PRODUCTS

WHERE ID IN(SELECT ID_PRODUCT FROM PRODUCT_CHECK WHERE ID_CHECK IN(SELECT ID FROM CHECKS WHERE ID_EMPLOEE IN(SELECT ID FROM EMPLOEES WHERE NAME='Titov')));



4. Вывести имя покупателя, который потратил меньше всего денег

SELECT CUSTOMERS.NAME
FROM CUSTOMERS, CHECKS
WHERE CUSTOMERS.ID = CHECKS.ID_CUSTOMER
AND CHECKS.AMOUNT = (SELECT MIN(SUM(AMOUNT))
FROM CHECKS
GROUP BY ID_CUSTOMER);



5. Все номера чеков, в которых продавался сахар

SELECT CHECKS.ID FROM CHECKS
JOIN PRODUCT_CHECK ON CHECKS.ID=PRODUCT_CHECK.ID_CHECK
JOIN PRODUCTS ON PRODUCT_CHECK.ID_PRODUCT=PRODUCTS.ID
WHERE PRODUCTS.NAME='Sugar';

ID

1

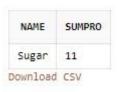
3

5

Download CSV
3 rows selected.

6. Вывести название товара и кол-во товара, которого продали больше всего

SELECT NAME, SUMPRO FROM (SELECT PRODUCTS.NAME, SUM(PCHNUMBER) SUMPRO FROM PRODUCTS JOIN PRODUCT_CHECK ON PRODUCTS.ID=PRODUCT_CHECK.ID_PRODUCT GROUP BY PRODUCTS.NAME)
WHERE SUMPRO IN(SELECT MAX(SUM(PCHNUMBER)) FROM PRODUCTS
JOIN PRODUCT_CHECK ON PRODUCTS.ID=PRODUCT_CHECK.ID_PRODUCT GROUP BY PRODUCTS.NAME);



7. Первый номер чека, в котором содержался сахар

SELECT MIN(CHECKS.ID) FROM CHECKS
JOIN PRODUCT_CHECK ON CHECKS.ID=PRODUCT_CHECK.ID_CHECK
JOIN PRODUCTS ON PRODUCT_CHECK.ID_PRODUCT=PRODUCTS.ID
WHERE PRODUCTS.NAME='Sugar';

MIN(CHECKS.ID)

1

Download CSV

8. Найти NAME сотрудников и имя товара, сотрудники которые продали самое большое количество хлеба.

SELECT IMYA, KOLVO FROM (SELECT EMPLOEES.NAME as IMYA, SUM(PRCH.PCHNUMBER) as KOLVO FROM PRODUCTS PR

JOIN PRODUCT_CHECK PRCH ON PR.ID=PRCH.ID_PRODUCT

JOIN CHECKS ON PRCH.ID_CHECK=CHECKS.ID

JOIN EMPLOEES ON CHECKS.ID_EMPLOEE=EMPLOEES.ID

WHERE PR.ID in (1001,1002)

GROUP BY EMPLOEES.NAME)

WHERE KOLVO IN(SELECT MAX(MAXIMUM) FROM (SELECT SUM(PCHNUMBER) as MAXIMUM FROM PRODUCTS PR

JOIN PRODUCT_CHECK PRCH ON PR.ID=PRCH.ID_PRODUCT

JOIN CHECKS ON PRCH.ID_CHECK=CHECKS.ID

JOIN EMPLOEES ON CHECKS.ID_EMPLOEE=EMPLOEES.ID

WHERE PR.ID IN(1001,1002)

GROUP BY EMPLOEES.NAME));

IMYA	KOLVO
Golikova	3
Golovin	3

Download CSV

² rows selected.

9. Сотрудник, который продал товаров на большую сумму

SELECT EMPLOEES.NAME FROM EMPLOEES
JOIN CHECKS ON EMPLOEES.ID=CHECKS.ID_EMPLOEE
WHERE AMOUNT=(SELECT MAX(AMOUNT) FROM CHECKS
WHERE AMOUNT IN(SELECT SUM(AMOUNT) FROM CHECKS GROUP BY ID_EMPLOEE));



10. Вывести номер чека и сумма чека, но сумма чека должна рассчитываться самостоятельно, т.е. не брать сумму из чека.

SELECT CHECKS.ID, SUM(PRICE*PCHNUMBER) FROM CHECKS
JOIN PRODUCT_CHECK ON CHECKS.ID=PRODUCT_CHECK.ID_CHECK
JOIN PRODUCTS ON PRODUCT_CHECK.ID_PRODUCT=PRODUCTS.ID
GROUP BY CHECKS.ID
ORDER BY CHECKS.ID;

ID	SUM(PRICE*PCHNUMBER)
1	460
2	44
3	1330
4	132
5	140
6	94

Download CSV

6 rows selected.

11. Выбрать сотрудников с квалификацией = junior, у которых сумма всех продаж больше, чем продажи у Teamlead

SELECT EM.NAME FROM CHECKS CH,EMPLOEES EM
WHERE EM.ID=CH.ID_EMPLOEE AND EM.CATEGORY='junior'
GROUP BY EM.NAME
HAVING SUM(CH.AMOUNT) >
(SELECT SUM(CH.AMOUNT)
FROM CHECKS CH,EMPLOEES EM
WHERE EM.ID=CH.ID_EMPLOEE AND EM.CATEGORY='Team Lead'
GROUP BY EM.NAME);



12. Вывести все товары, которые купил Sidorov

SELECT PRODUCTS.NAME FROM PRODUCTS

JOIN PRODUCT_CHECK ON PRODUCTS.ID=PRODUCT_CHECK.ID_PRODUCT

JOIN CHECKS ON PRODUCT_CHECK.ID_CHECK=CHECKS.ID

JOIN CUSTOMERS ON CHECKS.ID_CUSTOMER=CUSTOMERS.ID

WHERE CUSTOMERS.NAME='Sidorov';

