Table: Pharmacy

Drugs (ID, DrugName, ID Maker, ID Category, RecipeRequired, SellingPrice)

DrugCategory (IDCategory, CategoryName)

DrugMaker (ID, MakerName, CentralOfficeCountry)

Pharmacy (IDPharmacy, IDLocCat, City, Address)

PaymentType (IDPType, Type)

LocationCategory (IDLocCat, Category)

Sales (IDSales, IDDrug, IDPharmacy, IDPayType, QuantitySold, SalesDate)

Task:

Вывести информацию о кол-ве продаж лекарст в зависимости от времени года. Результаты вывести в виде транспорнированной таблицы (оси - время года и название лекарства).

Определить наиболее популярный способ оплаты для каждой аптеки в сельской местности (по количеству продаж).

1.

SELECT DrugName, month in (1,2,12) as Winter, month in (3,4,5) as Spring, month in (6,7,8) as Summer, month in (9,10,11) as Autumn

FROM

(SELECT a.(MONTH(SalesDate) as month), a.QuantitySold, b.DrugName

FROM Sales a

LEFT JOIN Drugs B ON A.IDDrug = B.ID)

) SourceTable

PIVOT

(SUM(QuantitySold)

FOR SalesDate IN (Winter, Spring, Summer, Autumn)

) PivotTable

2.

SELECT Type, Category FROM

(SELECT IDPayType, MAX(QuantitySold) OVER (PARTITION BY Type)) max\_quant\_type

FROM Sales ) A

LEFT JOIN Pharmacy B ON A.IDPharmacy=B.IDPharmacy

LEFT JOIN LocationCategory C ON B.IDLocCat=C.IDLocCat

WHERE Category = 'countryside'