1. Найти ProductSubcategoryID из Production.Product, где мин вес такого ProductSubcategoryID больше 150.

SELECT ProductSubcategoryID, MIN(Weight) as Min\_Weight

FROM Production.Product

GROUP BY ProductSubcategoryID

HAVING MIN(Weight)>150

2. Найти самый дорогой продукт (поле StandardCost) из Production.Product. (4 способа)

SELECT ProductID, StandardCost

FROM ( SELECT ProductID, StandardCost, MAX(StandardCost) OVER() as Max\_StandartCost

FROM Production.Product) t

WHERE StandardCost = Max\_StandartCost

SELECT ProductID, StandardCost

FROM Production.Product

WHERE StandardCost = (SELECT MAX(StandardCost)

FROM Production.Product)

SELECT TOP 1 WITH TIES ProductID, StandardCost

FROM Production.Product

ORDER BY StandardCost DESC

SELECT ProductID, StandardCost

FROM ( SELECT ProductID, StandardCost, RANK() OVER(Order by StandardCost DESC) as rnk

FROM Production.Product) t

WHERE rnk = 1

3. Найти клиентов, которые за последний год не совершили ни одной аренды. (схема GROUP1)

SELECT IDCustomer

FROM DimCustomers c LEFT JOIN

(

SELECT IDCustomer

FROM FctOrders

WHERE Rent\_Date>= DATEFROMPARTS(YEAR(GETDATE())-1, MONTH (GETDATE()), DAY(GETDATE()))

) o

ON c.IDCustomer=o.IDCustomer

WHERE IDCustomer IS NULL

4. Найти для каждого сотрудника кол-во ремонтов за последние 5 лет. (схема GROUP1)

SELECT o.Employee\_Number, e.FullName, COUNT (o.Id\_Order) as cnt

FROM FctOrders o JOIN DimEmployees e ON o.Employee\_Number=e.Employee\_Number

WHERE Rent\_Date>= DATEFROMPARTS(YEAR(GETDATE())-5, MONTH (GETDATE()), DAY(GETDATE()))

GROUP BY Employee\_Number

5.

Users (

id bigint NOT NULL,

email varchar(255) NOT NULL

);

Notifications (

id bigint NOT NULL,

user\_id bigint NOT NULL,

category varchar(100),

is\_read boolean DEFAULT false

);

Найти список категорий для пользователя alex@gmail.com, в которых более 50 непрочитанных нотификаций

SELECT \*

FROM

(SELECT n.category as category , n.user\_id as user\_id, u.email as email, COUNT (n.id) as cnt\_notif

FROM Notifications n LEFT JOIN Users u ON n.user\_id=u.id

GROUP BY n.category, u.user\_id, u.email) t

WHERE email = 'alex@gmail.com' AND cnt\_notif>50