**Проверочная работа 5**

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

SELECT ProductSubcategoryID, MIN(Weight) AS min\_w

FROM Production.Product

GROUP BY ProductSubcategoryID

HAVING MIN(Weight) > 150

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

SELECT TOP 1 WITH TIES Name, StandardCost

FROM Production.Product

ORDER BY StandardCost DESC

--

SELECT Name, StandardCost

FROM Production.Product

WHERE StandardCost = (SELECT MAX(StandardCost)

FROM Production.Product)

--

SELECT Name, StandardCost

FROM

(

SELECT Name, StandardCost, MAX(StandardCost) OVER () as max\_cost

FROM Production.Product

) maxcost

WHERE StandardCost=max\_cost

--

SELECT Name, StandardCost

FROM

(

SELECT Name, StandardCost, RANK() OVER (ORDER BY StandardCost DESC) as rnk

FROM Production.Product

) maxrnk

WHERE rnk=1

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

SELECT c.Name

FROM (

SELECT IDCustomer

FROM FctOrders

WHERE DATEDIFF(year, GETDATE(), RentDate)<=1

) o

RIGHT JOIN DimCustomers c ON o.IDCustomer=c.IDCustomer

WHERE o.IDCustomer IS NULL

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

SELECT e.FullName, COALESCE(COUNT(m.MaintenanceID), 0) AS cnt

FROM FctMaintenance m RIGHT JOIN DimEmployees e ON m.EmployeeNumber=e.EmployeeNumber

WHERE DATEDIFF(year, GETDATE(), m.[Start\_Date])<=5

GROUP BY e.FullName

/\*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 n.category, n.cnt, u.email

FROM

(SELECT [user\_id], category, COUNT(is\_read) AS cnt

FROM Notification

WHERE is\_read LIKE 'false'

GROUP BY [user\_id], category

) n

JOIN Users u ON u.id = n.[user\_id]

WHERE u.email LIKE 'alex@gmail.com' AND n.cnt > 50