**Лабораторная работа №11**

**ЗАПРОСЫ НА ОБЪЕДЕНЕНИЕ И ФУНКЦИЯ COUNT.**

1. Вывести информацию о продуктах, которые поставлялись двумя и более мастерами.

Листинг 1 – Вывод информации

USE SUPIR;

WITH products\_masters AS (

SELECT DISTINCT

p.p\_id,

p.p\_name,

m.m\_id,

m.m\_name

FROM products p

JOIN supplies s ON s.s\_product = p.p\_id

JOIN masters m ON m.m\_id = s.s\_master

)

SELECT

p\_m.p\_id,

p\_m.p\_name,

COUNT(p\_m.m\_id) AS master\_count,

STRING\_AGG(p\_m.m\_name, ', ') WITHIN GROUP (ORDER BY p\_m.m\_name) AS [master(s)]

FROM products\_masters p\_m

GROUP BY p\_m.p\_id, p\_m.p\_name

HAVING COUNT(p\_m.m\_id) > 1

ORDER BY p\_m.p\_id

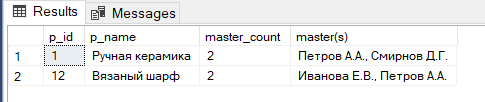


Рис. 1 – Вывод информации

1. Вывести информацию о количестве продуктов на складе.

Листинг 2 – Вывод информации

USE SUPIR;

WITH count\_products AS

(

SELECT

p.p\_id,

p.p\_name,

SUM(s.s\_quantity) AS sypplies\_quantity,

SUM(m2m.p\_o\_quantity) AS sell\_quantity

FROM supplies s

FULL JOIN products p ON p.p\_id = s.s\_product

FULL JOIN m2m\_products\_orders m2m ON m2m.p\_id = p.p\_id

GROUP BY p.p\_name, p.p\_id

)

SELECT

c\_p.p\_id,

c\_p.p\_name,

(ISNULL(c\_p.sypplies\_quantity, 0) - ISNULL(c\_p.sell\_quantity, 0)) AS product\_in\_stoks

FROM count\_products c\_p

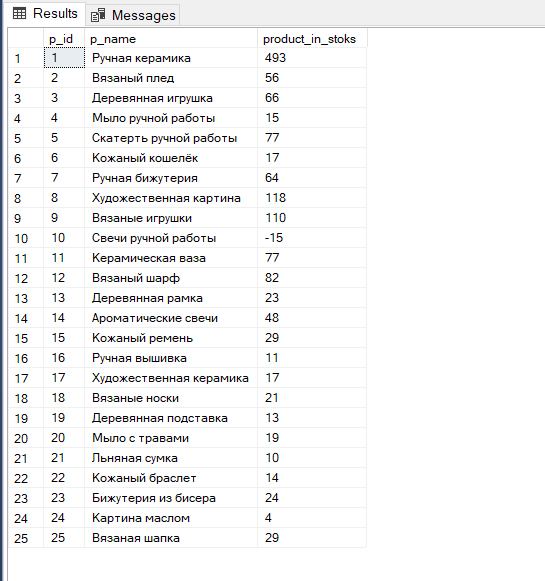


Рис. 2 – Вывод информации

1. Вывести информацию о количестве поставок каждым мастером.

Листинг 3 – Вывод информации

USE SUPIR;

SELECT

m.m\_id,

m.m\_name,

COUNT(s.s\_master) AS supplies

FROM supplies s

JOIN masters m ON m.m\_id = s.s\_master

GROUP BY m.m\_id, m.m\_name



Рис. 3 – Вывод информации