

Лабораторная работа 7

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1  -- Найти сводную таблицу с помощью UNION со всеми колонками для каждого товара (ПК, laptop, принтер),
2  -- отсортировать по колонке type. В случае отсутствия колонки - выводим в значение NONE.
3
4  SELECT p.make,
5         'Laptop' AS "type",
6         lp.code,
7         lp.model,
8         CAST(lp.speed AS text),
9         CAST(lp.ram AS text),
10        CAST(lp.hd AS text),
11        'NONE' AS cd,
12        lp.price,
13        CAST(lp.screen AS text),
14        'NONE' AS "printer_type",
15        'NONE' AS "color",
16        ('Ekaterina_Kaneva ' || 'time: ' || CURRENT_TIMESTAMP) AS student_with_time
17 FROM laptop lp, product p
18 WHERE p.model = lp.model
19 UNION
20 SELECT p.make,
21        'PC' AS "type",
22        pc.code,
23        pc.model,
24        CAST(pc.speed AS text),
25        CAST(pc.ram AS text),
26        CAST(pc.hd AS text),
27        CAST(pc.cd AS text),
28        pc.price,
29        'NONE' AS "screen",
30        'NONE' AS "printer_type",
31        'NONE' AS "color",
32        ('Ekaterina_Kaneva ' || 'time: ' || CURRENT_TIMESTAMP) AS student_with_time
33 FROM pc, product p
34 WHERE p.model = pc.model
35 UNION
36 SELECT p.make,
37        'Printer' AS "type",
38        pr.code,
39        pr.model,
40        'NONE' AS "speed",
41        'NONE' AS "ram",
42        'NONE' AS "hd",
43        'NONE' AS "cd",
44        pr.price,
45        'NONE' AS "screen",
46        pr.type AS "printer_type",
47        CAST(pr.color AS text),
48        ('Ekaterina_Kaneva ' || 'time: ' || CURRENT_TIMESTAMP) AS student_with_time
49 FROM printer pr, product p
50 WHERE p.model = pr.model
51 ORDER BY type

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	make character varying (10)	type text	code integer	model character varying (50)	speed text	ram text	hd text	cd text	price numeric	screen text	printer_type text	color text	student_with_time text
1	B	Laptop	3	1750	750	128	12	NONE	1200.0000	14	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
2	A	Laptop	5	1752	750	128	10	NONE	1150.0000	14	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
3	A	Laptop	6	1298	450	64	10	NONE	950.0000	12	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
4	A	Laptop	1	1298	350	32	4	NONE	700.0000	11	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
5	C	Laptop	2	1321	500	64	8	NONE	970.0000	12	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
6	A	Laptop	4	1298	600	64	10	NONE	1050.0000	15	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
7	A	PC	3	1233	500	64	5	12x	600.0000	NONE	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
8	A	PC	6	1233	750	128	20	50x	950.0000	NONE	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
9	A	PC	7	1232	500	32	10	12x	400.0000	NONE	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
10	A	PC	11	1233	900	128	40	40x	980.0000	NONE	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
11	A	PC	12	1233	800	128	20	50x	970.0000	NONE	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
12	B	PC	2	1121	750	128	14	40x	850.0000	NONE	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
13	B	PC	5	1121	600	128	8	40x	850.0000	NONE	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
14	B	PC	4	1121	600	128	14	40x	850.0000	NONE	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
15	A	PC	8	1232	450	64	8	24x	350.0000	NONE	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
16	A	PC	1	1232	500	64	5	12x	600.0000	NONE	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
17	A	PC	9	1232	450	32	10	24x	350.0000	NONE	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
18	E	PC	10	1260	500	32	10	12x	350.0000	NONE	NONE	NONE	Ekaterina_Kaneva time: 2022-12-25 12:00...
19	A	Printer	1	1276	NONE	NONE	NONE	NONE	400.0000	NONE	Laser	n	Ekaterina_Kaneva time: 2022-12-25 12:00...
20	D	Printer	6	1288	NONE	NONE	NONE	NONE	400.0000	NONE	Laser	n	Ekaterina_Kaneva time: 2022-12-25 12:00...
21	A	Printer	5	1408	NONE	NONE	NONE	NONE	270.0000	NONE	Matrix	n	Ekaterina_Kaneva time: 2022-12-25 12:00...
22	D	Printer	2	1433	NONE	NONE	NONE	NONE	270.0000	NONE	Jet	y	Ekaterina_Kaneva time: 2022-12-25 12:00...
23	E	Printer	3	1434	NONE	NONE	NONE	NONE	290.0000	NONE	Jet	y	Ekaterina_Kaneva time: 2022-12-25 12:00...
24	A	Printer	4	1401	NONE	NONE	NONE	NONE	150.0000	NONE	Matrix	n	Ekaterina_Kaneva time: 2022-12-25 12:00...