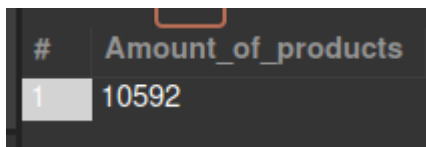


PART 2 - Table Products

-- Q14 -- How many products are there?

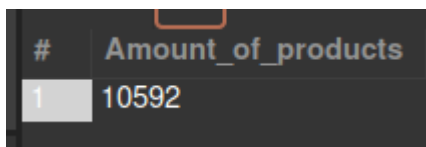
```
SELECT
  COUNT(*) AS 'Amount_of_products'
FROM
  products;
```



#	Amount_of_products
1	10592

-- Q15 -- How many brands?

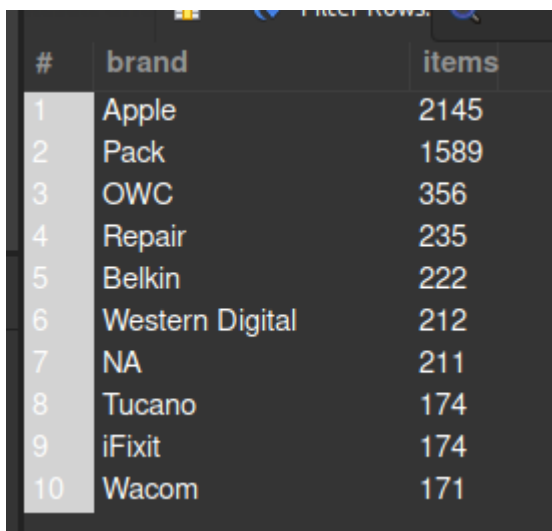
```
SELECT
  COUNT(DISTINCT brand) as UniqueBrands
FROM
  products;
```



#	Amount_of_products
1	10592

-- Q16.1 -- How many products per brand ?

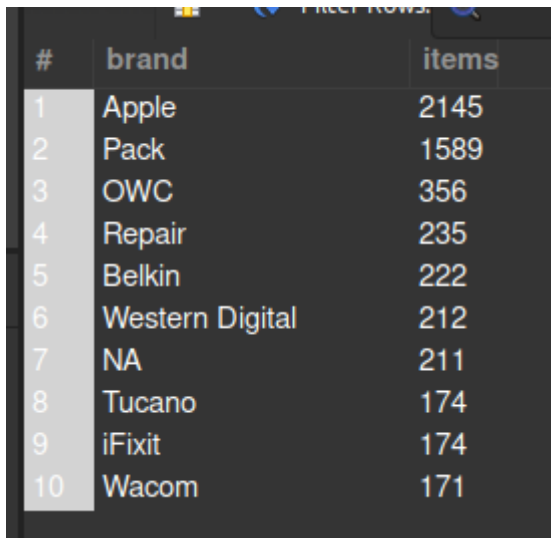
```
SELECT
  brand, COUNT(brand) AS items
FROM
  products
GROUP BY brand
ORDER BY items DESC;
```



#	brand	items
1	Apple	2145
2	Pack	1589
3	OWC	356
4	Repair	235
5	Belkin	222
6	Western Digital	212
7	NA	211
8	Tucano	174
9	iFixit	174
10	Wacom	171

-- Q16.2 -- How many products per category?

```
SELECT
  manual_categories AS 'Categories',
  COUNT(manual_categories) AS ProductsPerCategory
FROM
  products
GROUP BY manual_categories
ORDER BY ProductsPerCategory DESC;
```

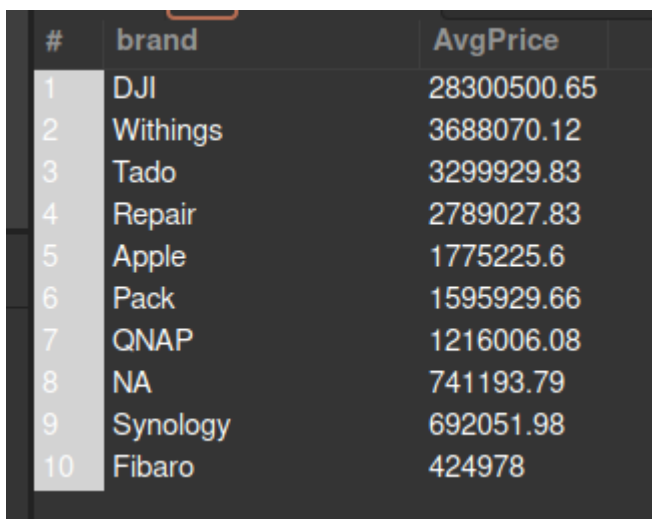


A screenshot of a database query result. The table has three columns: '#', 'brand', and 'items'. The data is sorted by the number of items in descending order. The first row shows 2145 items for 'Apple', and the last row shows 171 items for 'Wacom'.

#	brand	items
1	Apple	2145
2	Pack	1589
3	OWC	356
4	Repair	235
5	Belkin	222
6	Western Digital	212
7	NA	211
8	Tucano	174
9	iFixit	174
10	Wacom	171

-- Q17.1 -- What is the average price per brand?

```
SELECT
  brand, ROUND((SUM(price) / COUNT(price)), 2) AS AvgPrice
FROM
  products
GROUP BY brand
ORDER BY AvgPrice DESC;
```



A screenshot of a database query result. The table has three columns: '#', 'brand', and 'AvgPrice'. The data is sorted by the average price in descending order. The first row shows an average price of 28300500.65 for 'DJI', and the last row shows an average price of 424978 for 'Fibaro'.

#	brand	AvgPrice
1	DJI	28300500.65
2	Withings	3688070.12
3	Tado	3299929.83
4	Repair	2789027.83
5	Apple	1775225.6
6	Pack	1595929.66
7	QNAP	1216006.08
8	NA	741193.79
9	Synology	692051.98
10	Fibaro	424978

-- Q17.2 -- What is the average price per category?

```
SELECT
    manual_categories,
    ROUND((SUM(price) / COUNT(price)), 2) AS AvgPrice
FROM
    products
GROUP BY manual_categories
ORDER BY AvgPrice DESC;
```

#	manual_categories	AvgPrice
1	laptop	6494228.11
2	service	2574008.53
3	other	1151898.17
4	smartphone	832790.66
5	tablet	646391.57
6	accessories	391997.09
7	smartwhatch	372355.75
8	extended warranty	268580.84
9	camera	182951.76
10	display	26188.84

-- Q18.1 -- What is the name and description of the most expensive product per brand ?

```
SELECT
    inn.name_en, inn.short_desc_en
FROM
    (SELECT
        p.name_en, p.short_desc_en, p.brand, MAX(CAST(p.price as FLOAT)) as MxP
    FROM
        products p
    GROUP BY p.name_en, p.short_desc_en, p.brand
    ORDER BY MxP DESC
    ) AS inn;
```

#	name_en	short_desc_en
1	Apple MacBook Pro 15 Core i7 Touc...	New MacBook Pro 15-inch Core i7 Touch Bar 31Ghz...
2	Apple MacBook Pro 13 Core i5 Touc...	New MacBook Pro 13-inch Core i5 Touch Bar 33 GH...
3	Apple MacBook Pro 13 Core i7 Touc...	New MacBook Pro 13 inch Touch Bar 35 GHz Core i...
4	Apple MacBook Pro 13 Core i5 Touc...	New MacBook Pro 13-inch Core i5 Touch Bar 33 GH...
5	Apple MacBook Pro 13 Core i7 Touc...	New MacBook Pro 13 inch Touch Bar 35 GHz Core i...
6	Apple Macbook Pro 13 Core i5 Touc...	New MacBook Pro 13 inch Touch Bar 31 GHz Core i...
7	Apple MacBook Pro 13 Core i5 Touc...	New MacBook Pro 13 inch Touch Bar 31 GHz Core i...
8	Apple Macbook Pro 13 Core i5 Touc...	New MacBook Pro 13 inch Touch Bar 33 GHz Core i...
9	Apple MacBook Pro 13 Core i5 Touc...	New MacBook Pro 13 inch Touch Bar 33 GHz Core i...
10	Apple iPhone 64GB X Silver	New Apple iPhone 64GB Free Silver X
11	Open - Withings Blood Pressure Mon...	Wireless Withings Blood Pressure Monitor Blood Pre...
12	DJI Mavic Air Drone cuadricóptero A...	Drone cuadricóptero laptop with integrated camera a...

```

/* This version shows the brand and price
SELECT
    name_en, short_desc_en, brand, MAX(CAST(price as FLOAT)) as price
FROM
    products
GROUP BY brand, name_en, short_desc_en
ORDER BY price DESC;
*/

```

-- Q18.2 -- What is the name and description of the most expensive product per category?

```

SELECT
    inn.name_en, inn.short_desc_en
FROM
    (SELECT
        p.name_en, p.short_desc_en, p.manual_categories, MAX(CAST(p.price as FLOAT)) as MxP
    FROM
        products p
    GROUP BY p.name_en, p.short_desc_en, p.manual_categories
    ORDER BY MxP DESC
    ) AS inn;

```

#	name_en	short_desc_en
1	Apple MacBook Pro 15 Core i7 Touc...	New MacBook Pro 15-inch Core i7 Touch Bar 31Ghz...
2	Apple MacBook Pro 13 Core i5 Touc...	New MacBook Pro 13-inch Core i5 Touch Bar 33 GH...
3	Apple MacBook Pro 13 Core i7 Touc...	New MacBook Pro 13 inch Touch Bar 35 GHz Core i...
4	Apple MacBook Pro 13 Core i5 Touc...	New MacBook Pro 13-inch Core i5 Touch Bar 33 GH...
5	Apple MacBook Pro 13 Core i7 Touc...	New MacBook Pro 13 inch Touch Bar 35 GHz Core i...
6	Apple Macbook Pro 13 Core i5 Touc...	New MacBook Pro 13 inch Touch Bar 31 GHz Core i...
7	Apple MacBook Pro 13 Core i5 Touc...	New MacBook Pro 13 inch Touch Bar 31 GHz Core i...
8	Apple Macbook Pro 13 Core i5 Touc...	New MacBook Pro 13 inch Touch Bar 33 GHz Core i...
9	Apple MacBook Pro 13 Core i5 Touc...	New MacBook Pro 13 inch Touch Bar 33 GHz Core i...
10	Apple iPhone 64GB X Silver	New Apple iPhone 64GB Free Silver X
11	Open - Withings Blood Pressure Mon...	Wireless Withings Blood Pressure Monitor Blood Pre...