

PostGre SQL Queryry

-- Danny & Sons Electronics SQL

select * from sales_ds

--Q1- What is the total number of sales by each TV brands?

```
select brand, count(brand) as Total_number from sales_ds
group by brand
order by Total_number desc
```

--Q2- Which TV brand has the highest number of sales?

```
select brand, count(selling_prize) from sales_ds
group by brand
order by 2 desc
```

-- Samsung have the highest sales by brand

--Q3- What is the total sales by each TV brands?

```
select * from sales_ds
select brand, sum(selling_prize) from sales_ds
group by brand
order by 2 desc
```

-- Samsung, LG and Sony are the top 3 for total sales

--Q4- What is the total sales?

```
select sum(selling_prize) from sales_ds
--54,135,049
```

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--Q5- What is the average sales by each brand?

```
select brand, round(avg(selling_prize), 2) as average_sales from  
sales_ds
```

```
group by brand
```

```
order by average_sales desc
```

--Q6- Fetch total sales of between ₦1million and ₦1.5million

```
select * from sales_ds
```

```
select brand, sum(selling_prize) from sales_ds
```

```
group by brand
```

```
having sum(selling_prize) between 1000000 and 1500000
```

--Q7- Fetch total sales above ₦500,000

```
select brand, sum(selling_prize) from sales_ds
```

```
group by brand
```

```
having sum(selling_prize) > 500000
```

--Q8- There is a brand that begins with “K” and ends “AK”.

-- Can you fetch the brand and its other information?

```
select * from sales_ds
```

```
where brand ilike 'k%ak'
```

--Q9- Which of the brands have the top 5 highest sales?

```
select brand, sum(selling_prize) from sales_ds
```

```
group by brand
```

```
order by sum(selling_prize) desc
```

```
limit 5
```

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--Q10- Calculate the difference between the original price and the selling price

```
select brand, original_prize - selling_prize as discounted_diff from sales_ds
```

--Q11- Calculate the percentage difference between the original price and the selling price

```
select brand, selling_prize, original_prize, ((original_prize :: float - selling_prize :: float)/original_prize :: float) * 100  
from sales_ds
```

--Q12- What is the total sales for Hisense and Blaupunkt?

```
select brand, sum(selling_prize) from sales_ds  
where brand in ('Hisense', 'Blaupunkt')  
group by brand
```

--Q13- What is the total sales price by each operating system for Panasonic

```
select operating_system, sum(selling_prize) from sales_ds  
where brand = 'Panasonic'  
group by operating_system
```

--Q14- Which of the brands have ratings above 3.5?

```
select * from sales_ds  
select brand, rating from sales_ds  
where rating > 3.5
```

--Q15- What is the total sales of brands with ratings above 3.5?

```
select brand, rating, sum(selling_prize) from sales_ds
```

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where rating > 3.5

group by brand, rating

--Q16- What is the average rating by each brand total sales?

```
select brand, round(avg(rating)), sum(selling_prize) from sales_ds  
group by brand
```