... flipkart_Database_System...

• Create and Select Database

create database flipkart; use flipkart;

• Select All Mobiles

select * from mobiles;

Output:-

Name	Brand	Ratings	No of ratings	No of reviews	Product features	MSP	MRP	Discount
realme 9i (Prism Blue, 64 GB)	realme	4.5	1,11,865	6611	[4 GB RAM 64 GB ROM Expandable Upto 1 T	10999	15999	31
realme 9i (Prism Black, 64 GB)	realme	4.5	1,11,865	6611	[4 GB RAM 64 GB ROM Expandable Upto 1T	10999	15999	31
realme 9i (Prism Blue, 128 GB)	realme	4.5	25380	1517	[6 GB RAM 128 GB ROM Expandable Upto 1	13499	17999	25
realme 9i (Prism Black, 128 GB)	realme	4.5	1,11,865	6611	[4 GB RAM 128 GB ROM Expandable Upto 1	10999	16999	35
realme 9i (Prism Blue, 128 GB)	realme	4.5	1,11,865	6611	[4 GB RAM 128 GB ROM Expandable Upto 1	10999	16999	35
POCO C31 (Shadow Gray, 64 GB)	POCO	4.3	1,78,186	11037	[4 GB RAM 64 GB ROM Expandable Upto 512	7499	11999	37
REDMI 9i Sport (Metallic Blue, 64 GB)	REDMI	4.3	2,01,192	11760	['4 GB RAM 64 GB ROM Expandable Upto 512	7099	9999	29
iles 1 ×								

• Price Range Distribution by Brand

select

brand,

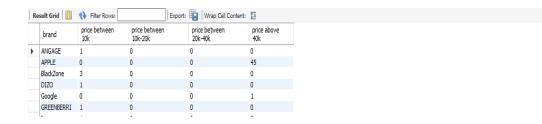
sum(case when mrp between 0 and 9999 then 1 else 0 end) as 'price between 10k', sum(case when mrp between 10000 and 19999 then 1 else 0 end) as 'price between 10k-20k', sum(case when mrp between 20000 and 29999 then 1 else 0 end) as 'price between 20k-40k', sum(case when mrp >= 40000 then 1 else 0 end) as 'price above 40k'

from mobiles

group by brand

order by brand;

Output:-



Brand with Maximum Discount

• Brand with Minimum Discount

```
select
brand,
max(mrp-msp) as maxdiscount
from mobiles
group by
brand
order by
```

maxdiscount asc

limit 1;

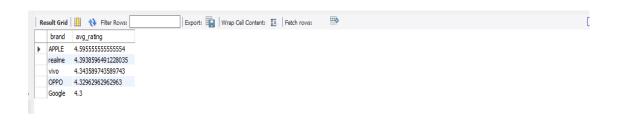
Output:-



• Top 5 Brands by Average Rating

select
brand, avg(ratings) as avg_rating
from
mobiles
group by
brand
order by avg_rating desc
limit 5;

Output:-



• Top 5 Brands by Number of Reviews

select

brand,

sum(no_of_reviews) as total_reviews
from
mobiles
group by
brand
order by
total_reviews desc
limit 5;

Output:-



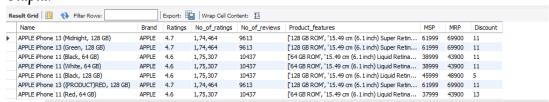
• Mobiles with Rating Greater Than 4.5

select*

from mobiles

where ratings > 4.5;

Output:-



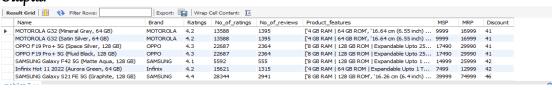
Mobiles with Discount Greater Than 40%

select*

from mobiles

where discount > 40;

Output:-



Average Rating and Total Reviews by Brand

select brand, avg(ratings) as avg_rating, sum(no_of_reviews) as total_reviews from mobiles group by brand order by avg_rating desc;

Output:-



• Brands with High Ratings and Reviews

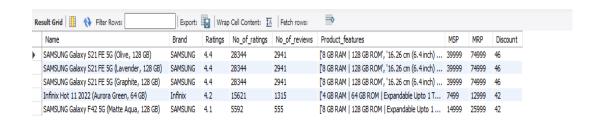
select brand
from mobiles
group by brand
having avg(ratings) > 4.5 and
sum(no_of_reviews) > 30000;

Output:-



• Top 5 Mobiles by Discount

select*
from mobiles
order by discount desc
limit 5;
Output:-



• Top 2 Mobiles by Discount

select*

from mobiles

order by discount desc

limit 2;

Output:-



• Top 2 Mobiles by Brand (Descending Order)

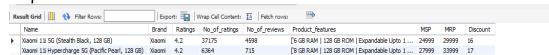
select*

from mobiles

order by brand desc

limit 2;

Output:-



• Top 3 Brands by Discount

select brand

from mobiles

order by discount desc

limit 3;

Output:-



• Change Column Name (Mobile Table)

alter table mobile change name mobile_name varchar(250);

• list All Brands Alphabetically

select brand from mobiles order by brand;

Output:-



Brand with the Most Mobiles

select brand,
count(name) as totalmobiles
from mobiles group by brand order by totalmobiles desc
limit 1;

Output:-

