GROUP BY ASSIGNMENT

ANSWERS & OUTPUT

1. Finding the names of unique brands

sql>> select distinct brand_name from myntra;

brand_name
Lino Perros
Mast & Harbour
Biba
Anthrilo
FASHION DWAR
Vishudh
Tokyo Talkies
Woakers
Roadster
H&M
Mystere Paris
Accessorize
Jompers

2. Finding the number of unique brands

sql>> select count(distinct brand_name) from myntra;

count(distinct brand_name)
3194

3. Finding the number of products in each brands

sql>> select brand_name, count(product_tag) as no_of_products
        from myntra group by brand_name;

brand_name	no_of_products
Lino Perros	260
Mast & Harbour	2640
Biba	815
Anthrilo	122
FASHION DWAR	1
Vishudh	1040
Tokyo Talkies	1505
Woakers	70
Roadster	4982
H&M	2188
Mystere Paris	55
Accessorize	231
Jompers	183

4. Finding the top 5 brand who has the most number of products

```
sql>> select brand_name, count(product_tag) as no_of_products
        from myntra group by brand_name
        order by no_of_products desc limit 5;
```

Result Grid | Filter Rows:

brand_name	no_of_products
Roadster	4982
Mast & Harbour	2640
DressBerry	2330
H&M	2188
max	2045

5. Finding the top 5 brand who sold the most number of products

```
sql>> select brand_name, sum(rating_count) as 'product_sold'
        from myntra group by brand_name
        order by product_sold desc limit 5;
```

Result Grid | Filter Rows:

brand_name	product_sold
Roadster	2106904
Biotique	819866
Maybelline	707431
SASSAFRAS	596765
HIGHLANDER	531613

6. Finding the top 5 most expensive brands based on their discounted price

```
sql>> select brand_name, round( avg(discounted_price),0) as expensive
        from myntra group by brand_name
        order by expensive desc limit 5;
```

Result Grid | Filter Rows:

brand_name	expensive
MOSCHINO COUTURE	40000
dyson	39233
Tom Ford	38800
Victorinox	35200
Versace Jeans Couture	33125

7. Finding the top 5 least expensive brands based on their discounted price

```
sql>> select brand_name, round( avg(discounted_price),0) as expensive
     from myntra group by brand_name
     order by expensive limit 5;
```

brand_name	expensive
Remove	55
PEESAFE	61
BIOAYURVEDA	81
ELLE 18	86
Vitress	105

8. Finding the top 10 best-selling product categories

```
sql>> select product_tag , sum(rating_count) as 'product_sold'
     from  myntra group by product_tag
     order by product_sold desc limit 10;
```

product_tag	product_sold
tshirts	2063921
shirts	1042912
dresses	937581
kurta-sets	884828
tops	860638
kurtas	852546
jeans	773391
perfume-and-body-mist	550772
face-moisturisers	501422
trousers	436644

9. Finding the top 10 brands who gives maximum discount

```
sql>> select brand_name ,avg(discount_percent) as 'max_dis'
     from myntra group by brand_name
     order by max_dis desc limit 10;
```

| brand_name	max_dis
swatika	90.0000
HRITIKA	89.5745
OOMPH	87.4000
Kord Store	86.1250
Brandsoon	85.8824
HAMT	85.5385
THE AAB STUDIO	84.7500
Dhrohar	84.2308
WM	84.0000
TIMESMITH	84.0000

10. Finding the top 5 most expensive product categories

sql>> select product_tag , sum(discounted_price) as 'price'
    from myntra group by product_tag
    order by price desc limit 5;

product_tag	price
dresses	19274061
shirts	17867012
watches	15811014
kurta-sets	15202666
tshirts	14818515

Brand Report Card

1. Find top 10 brands with max revenue generated

sql>> select brand_name, round(sum(discounted_price*rating_count)) as revenue_generated
    from myntra group by brand_name
    order by revenue_generated desc limit 10;

brand_name	revenue_generated
Roadster	1456363945
HRX by Hrithik Roshan	489283400
SASSAFRAS	437308490
Biotique	371517435
Philips	361815133
Maybelline	358527709
Plum	351036452
HIGHLANDER	340847812
DressBerry	291942469
WROGN	271100903

2. Which product_category of any brand is sold the most?

sql>> select   brand_name,product_tag, sum(rating_count) as 'sold'
    from myntra group by   brand_name, product_tag

order by sold desc ;

brand_name	product_tag	sold
Roadster	tshirts	964611
Roadster	shirts	405549
Roadster	jeans	324064
HIGHLANDER	shirts	242745
Biotique	skin-care-gift-set	232300
HRX by Hrithik Roshan	tshirts	194749
SASSAFRAS	dresses	192243
MCaffeine	body-wash-and-scrub	186047
Biotique	face-moisturisers	183537
Maybelline	foundation-and-primer	176500
Lakme	kajal-and-eyeliner	154396
Nivea	deodorant	152958
Maybelline	lipstick	151837

3. List top 5 brands which has sold most number of tshirts

sql>> select brand_name , product_tag, sum(rating_count) as 'tshirt_sold'

    from myntra where product_tag ='tshirts'

    group by brand_name

    order by tshirt_sold desc limit 5;

brand_name	product_tag	tshirt_sold
Roadster	tshirts	964611
HRX by Hrithik Roshan	tshirts	194749
Mast & Harbour	tshirts	88326
HERE&NOW	tshirts	70294
DILLINGER	tshirts	66377

4. List top 5 brands which has sold most number of shirts

sql>> select brand_name , product_tag, sum(rating_count) as 'shirts_sold'

    from myntra where product_tag ='shirts'

    group by brand_name

    order by shirts_sold desc limit 5;

brand_name	product_tag	shirts_sold
Roadster	shirts	405549
HIGHLANDER	shirts	242745
WROGN	shirts	70090
Mast & Harbour	shirts	34257
Dennis Lingo	shirts	27762

5. List top 5 brands which has sold most number of jeans

sql>> select brand_name, product_tag, sum(rating_count) as 'jeans_sold'

    from myntra where product_tag = 'jeans'

    group by brand_name

    order by jeans_sold desc;

brand_name	product_tag	jeans_sold
Roadster	jeans	324064
SASSAFRAS	jeans	54099
WROGN	jeans	52579
HIGHLANDER	jeans	40469
High Star	jeans	37322
Tokyo Talkies	jeans	28882
Mast & Harbour	jeans	28070
Miss Chase	jeans	23334
DOLCE CRUDO	jeans	21147
Kotty	jeans	20835
LOCOMOTIVE	jeans	15481
HERE&NOW	jeans	12939
DressBerry	jeans	8320

Result 30

6. List top 5 brands which has sold most number of dresses

sql>> select brand_name, product_tag, sum(rating_count) as 'dresses_sold'

    from myntra where product_tag = 'dresses'

    group by brand_name

    order by dresses_sold desc;

brand_name	product_tag	dresses_sold
SASSAFRAS	dresses	192243
Athena	dresses	72453
Tokyo Talkies	dresses	65232
U&F	dresses	62134
Berrylush	dresses	53316
Vishudh	dresses	37658
RARE	dresses	28883
Harpa	dresses	22713
DressBerry	dresses	21152
plusS	dresses	19570
KASSUALLY	dresses	16822
STREET 9	dresses	16041
Miss Chase	dresses	13821

7. Most popular product name listed in Myntra

sql>> select product_tag, sum(rating_count) as 'user_buy'

    from myntra group by product_tag

    order by user_buy desc limit 5;

product_tag	user_buy
tshirts	2063921
shirts	1042912
dresses	937581
kurta-sets	884828
tops	860638

8. Number of products sold for every rating (0 - 5)

sql>> select rating, count(rating) as "product_sold"

    from myntra where rating_count !=0

    group by rating

    order by rating;

rating	product_sold
1	74
1.1	1
1.2	2
1.3	22
1.4	4
1.5	14
1.6	13
1.7	26
1.8	37
1.9	10
2	83
2.1	20
2.2	39

9. Number of products sold for every rating by nike

sql>> select brand_name, rating, count(rating) as 'product_sold'

    from myntra where brand_name = 'nike' and rating_count!=0

    group by rating

    order by rating asc;

brand_name	rating	product_sold
Nike	0	104
Nike	1	2
Nike	3.2	1
Nike	3.3	2
Nike	3.4	5
Nike	3.5	2
Nike	3.6	3
Nike	3.7	1
Nike	3.8	9
Nike	3.9	14
Nike	4	12
Nike	4.1	12
Nike	4.2	14

10. Number of products sold for every rating in tshirt category

sql>> select rating, product_tag, count(product_tag) as 'product_sold'

    from myntra where product_tag = 'tshirts' and rating_count !=0

    group by rating

    order by rating;

rating	product_tag	product_sold
1.5	tshirts	1
1.7	tshirts	1
2	tshirts	1
2.2	tshirts	1
2.3	tshirts	5
2.4	tshirts	5
2.5	tshirts	7
2.6	tshirts	7
2.7	tshirts	15
2.8	tshirts	14
2.9	tshirts	6
3	tshirts	31
3.1	tshirts	11

11. Relation between price of the tshirt and its rating wrt to people rated

sql>> select product_tag, avg(discounted_price) as 'avg_price',rating, sum(rating_count) as

'user_rated' from myntra

where product_tag ='tshirts'

group by rating

order by rating ;

product_tag	avg_price	rating	user_rated
tshirts	1049.0964	0	0
tshirts	899.0000	1.5	2
tshirts	229.0000	1.7	13
tshirts	675.0000	2	6
tshirts	779.0000	2.2	5
tshirts	772.0000	2.3	44
tshirts	487.0000	2.4	25
tshirts	760.5714	2.5	24
tshirts	554.7143	2.6	48
tshirts	646.6000	2.7	139
tshirts	680.3571	2.8	89
tshirts	505.8333	2.9	205
tshirts	837.1935	3	153

12. Number of products sold for every rating

sql>> select rating, count(product_tag) as 'product_sold'

from myntra where rating_count!=0

group by rating

order by rating;

rating	product_sold
1	74
1.1	1
1.2	2
1.3	22
1.4	4
1.5	14
1.6	13
1.7	26
1.8	37
1.9	10
2	83
2.1	20
2.2	39

13. find the average rating for each product category along with the no of products and total rating count

sql>> select product_tag, round(avg(rating)) as 'avg_rating',

count(*) as 'total_product', sum(rating_count) as 'user_rated'

from myntra

group by product_tag

order by avg_rating asc ;

product_tag	avg_rating	total_product	user_rated
box	0	1	0
hooks-and-holders	0	1	0
baby-utensils	0	1	0
bins	0	9	7
juicers	0	3	0
silver-coins	0	1	0
carry-cot	0	1	0
festive-decor	0	2	0
egg-boiler	0	1	0
baby-bed-sets	0	1	0
watch-straps	0	12	0
potpourri	0	1	0
coffee-maker	0	1	0
sandwich-maker	0	1	0
footballs	0	1	0
basketballs	0	1	0
suits	1	311	2329
bodysuit	1	133	969
bedding-set	1	73	276
carpets	1	88	219

14. find the brand with the highest average rating among products with a discounted price greater than 5000

sql>> select brand_name ,round(avg(rating),2) as 'avg_rating', sum(rating_count)
from myntra
where discounted_price >5000
group by brand_name
order by avg_rating desc;

brand_name	avg_rating	sum(rating_count)
Narciso Rodriguez	5	6
Salvatore Ferragamo	4.7	135
BMW	4.7	11
Estee Lauder	4.7	333
Bobbi Brown	4.7	29
dyson	4.67	119
Ice	4.6	19
Realme	4.6	30
Giorgio Armani	4.59	397
United Colors of Benetton	4.58	92
Azzaro	4.57	45
Ralph Lauren	4.53	111
Dolce & Gabbana	4.5	286
CraftVatika	4.5	40
Samsung	4.5	18

15. top 10 brands with most no of product sold

sql>> select brand_name, sum(rating_count) as "product_sold"
from myntra
group by brand_name
order by product_sold desc limit 10;

brand_name	product_sold
Roadster	2106904
Biotique	819866
Maybelline	707431
SASSAFRAS	596765
HIGHLANDER	531613
HRX by Hrithik Roshan	528807
Lakme	459545
DressBerry	440749
Plum	392093
MCaffeine	349968