Topic:Analysis Of Mobile

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Mysql query :

1)Check mobile features and price list

2)Find out the price of 5 most expensive phones

3)Find out the price of 5 most cheapest phones

4)List of top 5 Samsung phones with price and all features

5)Must have android phone list then top 5 high price android phones

6)Must have android phone list then top 5 lower price android phones

7)Must have IOS phone list then top 5 High price IOS phones

8)Must have IOS phone list then top 5 lower price IOS phones

9)Write a query which phone support 5g and also top 5 phone with 5g support

10)Total price of all mobile is to be found with brand name

Query 1

Limit to 1000 rows

```
Create schema Data_Analyst;
```

```
use data_analyst;
select * from mobile;
```

Phone_name	Brands	Price	Internal_Storage	Operating_System_Type	USB_Type	5G_Availability	Selfie_Ca
Realme 9 Pro 5G 128 GB, 8 GB RAM, Sunrise Blu...	realme	20999	128 GB	Android	Not Specified	No	16 MP
Realme 9 Pro 5G 128 GB, 6 GB RAM, Sunrise Blu...	realme	18999	128 GB	Android	Not Specified	No	16 MP
Realme 9 Pro 5G 128 GB, 8 GB RAM, Aurora Gre...	realme	20999	128 GB	Android	Not Specified	No	16 MP
Redmi 10A 64 GB, 4 GB RAM, Sea Blue, Mobile P...	Redmi	8299	64 GB	Android	Not Specified	No	5 MP
Samsung Galaxy A33 5G 128 GB, 8 GB RAM, Aw...	Samsung	27499	Not Specified	Android	Not Specified	No	13 MP
Samsung Galaxy A13 128 GB, 4 GB RAM, Black, ...	Samsung	14999	128 GB	Android	Not Specified	No	8 MP
Samsung Galaxy A53 5G 128 GB, 6 GB RAM, Aw...	Samsung	31999	128 GB	Android	Not Specified	No	32 MP
Samsung S22 Ultra 5G 512 GB, 12 GB RAM, Gre...	Samsung	118999	Not Specified	Android	Not Specified	No	40 MP
Samsung S22 Ultra 5G 512 GB, 12 GB RAM, Bur...	Samsung	118999	Not Specified	Android	Not Specified	No	40 MP
Samsung S22 Ultra 5G 256 GB, 12 GB RAM, Pha...	Samsung	109999	Not Specified	Android	Not Specified	No	40 MP
Samsung Galaxy A53 5G 128 GB, 8 GB RAM, Aw...	Samsung	33499	128 GB	Android	Not Specified	No	32 MP
Samsung Galaxy A73 5G 128 GB, 8 GB RAM, Aw...	Samsung	41999	128 GB	Android	Not Specified	No	32 MP
Samsung Galaxy A53 5G 128 GB, 6 GB RAM, Or...	Samsung	31999	128 GB	Android	Not Specified	No	32 MP
Samsung Galaxy A23 128 GB, 6 GB RAM, Black, ...	Samsung	18499	128 GB	Android	Not Specified	No	8 MP
Samsung Galaxy M53 5G 128 GB, 6 GB RAM, My...	Samsung	26999	128 GB	Android	Not Specified	No	32 MP

Result Grid

Form Editor

Field Types

Query Stats

1)Check mobile features and price list

```
-- check mobile features and price list--
select phone_name,price from mobile;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

phone_name	price
Realme 9 Pro 5G 128 GB, 8 GB RAM, Sunrise Blu...	20999
Realme 9 Pro 5G 128 GB, 6 GB RAM, Sunrise Blu...	18999
Realme 9 Pro 5G 128 GB, 8 GB RAM, Aurora Gre...	20999
Redmi 10A 64 GB, 4 GB RAM, Sea Blue, Mobile P...	8299
Samsung Galaxy A33 5G 128 GB, 8 GB RAM, Aw...	27499
Samsung Galaxy A13 128 GB, 4 GB RAM, Black, ...	14999
Samsung Galaxy A53 5G 128 GB, 6 GB RAM, Aw...	31999
Samsung S22 Ultra 5G 512 GB, 12 GB RAM, Gre...	118999
Samsung S22 Ultra 5G 512 GB, 12 GB RAM, Bur...	118999
Samsung S22 Ultra 5G 256 GB, 12 GB RAM, Pha...	109999
Samsung Galaxy A53 5G 128 GB, 8 GB RAM, Aw...	33499
Samsung Galaxy A73 5G 128 GB, 8 GB RAM, Aw...	41999
Samsung Galaxy A53 5G 128 GB, 6 GB RAM, Or...	31999
Samsung Galaxy A23 128 GB, 6 GB RAM, Black, ...	18499
Samsung Galaxy M53 5G 128 GB, 6 GB RAM, My...	26999
Samsung Galaxy A03s 64 GB, 4 GB RAM, Black	10999

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2)Find out the price of 5 most expensive phones

```
-- Findout the price of 5 most expensive phones--
select * from mobile order by price desc limit 5;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

Phone_name	Brands	Price	Internal_Storage	Operating_System_Type	USB_Type	5G_Availability	Selfie_Camera	R
Apple iPhone 14 Pro Max 1 TB, Silver	Apple	189900	Not Specified	iOS	Yes	No	12 MP	No
Apple iPhone 14 Pro Max 1 TB, Gold	Apple	189900	Not Specified	iOS	Yes	No	12 MP	No
Apple iPhone 14 Pro Max 1 TB, Deep Purple	Apple	189900	Not Specified	iOS	Not Specified	No	12 MP	No
Apple iPhone 14 Pro Max 1 TB, Space Black	Apple	189900	Not Specified	iOS	Yes	No	12 MP	No
Apple iPhone 14 Pro 1 TB, Silver	Apple	179900	Not Specified	iOS	Yes	No	12 MP	No

3)Find out the price of 5 most cheapest phones

```
-- Find out the price of 5 most cheapest phones--
select * from mobile order by price asc limit 5;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

Phone_name	Brands	Price	Internal_Storage	Operating_System_Type	USB_Type	5G_Availability	Selfie_Camera
itel A23 Pro 8 GB, 1 GB RAM, Lake Blue, Mobile ...	Itel	4040	8 GB	Android	Not Specified	No	0.3 MP
itel A23 Pro 8 GB, 1 GB RAM, Sapphire Blue, Mo...	Itel	4040	8 GB	Android	Not Specified	No	0.3 MP
JioPhone Next 32 GB, 2 GB RAM, Blue Smartpho...	JioPhone	4499	Not Specified	Android	Not Specified	No	8 MP
JioPhone Next 32 GB, 2 GB RAM, Black Smartph...	JioPhone	4499	Not Specified	Android	Not Specified	No	8 MP
Samsung Galaxy M01 Core 16 GB, 1 GB, Red, M...	Samsung	5199	Not Specified	Android	USB 2.0	No	5 MP

4)List of top 5 Samsung phones with price and all features

```
-- List of top 5 Samsung phones with price and all features--
select * from mobile where brands ="samsung" order by price desc limit 5;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

Phone_name	Brands	Price	Internal_Storage	Operating_System_Type	USB_Type	5G_Availability	Selfie_Came
Samsung Galaxy Z Fold4 5G 512 GB, 12 GB RAM...	Samsung	164999	512 GB	Android	Yes	No	4 MP
Samsung Galaxy Z Fold4 5G 512 GB, 12 GB RAM...	Samsung	164999	512 GB	Android	Yes	No	4 MP
Samsung Galaxy Z Fold2 256 GB, 12 GB RAM, M...	Samsung	119999	Not Specified	Android	Yes	No	10 MP
Samsung S22 Ultra 5G 512 GB, 12 GB RAM, Gre...	Samsung	118999	Not Specified	Android	Not Specified	No	40 MP
Samsung S22 Ultra 5G 512 GB, 12 GB RAM, Bur...	Samsung	118999	Not Specified	Android	Not Specified	No	40 MP

5)Must have android phone list then top 5 high price android phones

```
-- Must  have android phone list then top 5 High price android phones--
select * from mobile where operating_system_type="Android" order by price desc limit 5;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

Phone_name	Brands	Price	Internal_Storage	Operating_System_Type	USB_Type	5G_Availability	Selfie_Came
Samsung Galaxy Z Fold4 5G 512 GB, 12 GB RAM...	Samsung	164999	512 GB	Android	Yes	No	4 MP
Samsung Galaxy Z Fold4 5G 512 GB, 12 GB RAM...	Samsung	164999	512 GB	Android	Yes	No	4 MP
Samsung Galaxy Z Fold2 256 GB, 12 GB RAM, M...	Samsung	119999	Not Specified	Android	Yes	No	10 MP
Samsung S22 Ultra 5G 512 GB, 12 GB RAM, Pha...	Samsung	118999	Not Specified	Android	Not Specified	No	40 MP
Samsung S22 Ultra 5G 512 GB, 12 GB RAM, Gre...	Samsung	118999	Not Specified	Android	Not Specified	No	40 MP

6)Must have android phone list then top 5 lower price android phones

```
-- Must have android phone list then top 5 lower price android phones--
select * from mobile where operating_system_type="Android" order by price asc limit 5;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

Phone_name	Brands	Price	Internal_Storage	Operating_System_Type	USB_Type	5G_Availability	Selfie_Camera
itel A23 Pro 8 GB, 1 GB RAM, Sapphire Blue, Mo...	Itel	4040	8 GB	Android	Not Specified	No	0.3 MP
itel A23 Pro 8 GB, 1 GB RAM, Lake Blue, Mobile ...	Itel	4040	8 GB	Android	Not Specified	No	0.3 MP
JioPhone Next 32 GB, 2 GB RAM, Blue Smartpho...	JioPhone	4499	Not Specified	Android	Not Specified	No	8 MP
JioPhone Next 32 GB, 2 GB RAM, Black Smartph...	JioPhone	4499	Not Specified	Android	Not Specified	No	8 MP
Samsung Galaxy M01 Core 16 GB, 1 GB, Red, M...	Samsung	5199	Not Specified	Android	USB 2.0	No	5 MP

7)Must have IOS phone list then top 5 High price IOS phones

```
-- Must have IOS phone list then top 5 High price IOS phones--
select * from mobile where operating_system_type="IOS" order by price desc limit 5;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

Phone_name	Brands	Price	Internal_Storage	Operating_System_Type	USB_Type	5G_Availability	Selfie_Camera	R
Apple iPhone 14 Pro Max 1 TB, Gold	Apple	189900	Not Specified	iOS	Yes	No	12 MP	No
Apple iPhone 14 Pro Max 1 TB, Space Black	Apple	189900	Not Specified	iOS	Yes	No	12 MP	No
Apple iPhone 14 Pro Max 1 TB, Silver	Apple	189900	Not Specified	iOS	Yes	No	12 MP	No
Apple iPhone 14 Pro Max 1 TB, Deep Purple	Apple	189900	Not Specified	iOS	Not Specified	No	12 MP	No
Apple iPhone 14 Pro 1 TB, Silver	Apple	179900	Not Specified	iOS	Yes	No	12 MP	No

8)Must have IOS phone list then top 5 lower price IOS phones

```
-- Must have IOS phone list then top 5 lower price IOS phones--
select * from mobile where operating_system_type="IOS" order by price asc limit 5;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

Phone_name	Brands	Price	Internal_Storage	Operating_System_Type	USB_Type	5G_Availability	Selfie_Camera
Apple iPhone SE 128 GB, Black (Includes Earpod...	Apple	43900	128 GB	iOS	Yes	Yes	7 MP
Apple iPhone SE 128 GB, White (Includes Earpo...	Apple	43900	128 GB	iOS	Yes	No	7 MP
Apple iPhone SE 2022 64 GB, Midnight	Apple	43900	64 GB	iOS	Not Specified	No	7 MP
Apple iPhone SE 2022 64 GB, (Product) Red	Apple	43900	64 GB	iOS	Not Specified	No	7 MP
Apple iPhone 11 64 GB, Black (without Earpods ...	Apple	43900	64 GB	iOS	Not Specified	No	12 MP

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9)Write a query which phone support 5g and also top 5 phone with 5g support

```
-- Write a query which phone support 5g and also top 5 phone with 5g support--
select * from mobile where 5g_availability ="Yes" order by price desc limit 5;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

Phone_name	Brands	Price	Internal_Storage	Operating_System_Type	USB_Type	5G_Availability	Selfie_Camera
Samsung Galaxy Z Series Flip3 5G 256 GB, 8 GB ...	Samsung	88999	Not Specified	Android	Yes	Yes	10 MP
Apple iPhone 12 128 GB, Green	Apple	59900	128 GB	iOS	Not Specified	Yes	12 MP
Apple iPhone 12 128 GB, Purple	Apple	59900	128 GB	iOS	Not Specified	Yes	12 MP
Apple iPhone 12 128 GB, White	Apple	59900	128 GB	iOS	Not Specified	Yes	12 MP
Apple iPhone 12 128 GB, Blue	Apple	59900	128 GB	iOS	Not Specified	Yes	12 MP

10)Total price of all mobile is to be found with brand name

```
31      -- Total price of all mobile is to be found with brand name--
32 •    select brands,sum(price) from mobile group by brands;
33
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

brands	sum(price)
realme	1461118
Redmi	1086928
Samsung	4148103
OnePlus	801977
Vivo	1122844
Motorola	520979
Infinix	200984
Tecno	41196
Moto	19998
Oppo	629336
Xiaomi	1282956
Itel	42575
Mi	440488
Apple	10572900
Nokia	269778
JioPhone	8998

Result Grid | Form Editor | Field Types | Query Stats | Execution Plan