



Solving Questions using SQL Queires

1. Total Number of Bikes Sold

#1

```
select count(*) as Total_Bikes_Sold from bike_sales;
```



OUTPUT:

Result Grid			 Filter Rows:
	Total_Bikes_Sold		
▶	10000		

2. Average Resale Price by Brand

```
select Brand, avg(Price_INR) as Average_Resale_Price  
from bike_sales  
group by Brand  
order by Average_Resale_Price DESC;
```

OUTPUT

Result Grid			 Filter Rows:
	Brand	Average_Resale_Price	
▶	Bajaj	230663.0290	
	Hero	226001.2470	
	Yamaha	225921.7911	
	Kawasaki	223162.6011	
	Royal Enfield	222886.1516	
	KTM	222612.5173	
	TVS	222468.9092	
	Honda	221076.7592	

3. Total Sales by State

```
select state, count(Resale_Price_INR) as Total_Sales
from bike_sales
group by state
order by Total_Sales DESC;
```

OUTPUT



Result Grid			Filter Rows:
	state	Total_Sales	
▶	Punjab	1051	
	Maharashtra	1030	
	Rajasthan	1017	
	Uttar Pradesh	1003	
	Gujarat	1002	
	Tamil Nadu	994	
	Karnataka	982	
	Delhi	977	

Result 7 ×

4. Bikes with Highest Mileage

```
select Brand, Model, Mileage_km_l
from bike_sales
order by Mileage_km_l DESC
limit 5;
```



OUTPUT

Result Grid   Filter Rows: <input type="text"/>			
	Brand	Model	Mileage_km_l
▶	KTM	125 Duke	100
	Kawasaki	Vulcan S	100
	Royal Enfield	Meteor 350	99.99
	Honda	Unicorn	99.94
	TVS	NTorq 125	99.93

5. Average Price by Fuel Type

```
select Fuel_Type, avg(Resale_Price_INR) as Average_Resale_Price
from bike_sales
group by Fuel_Type
order by Average_Resale_Price desc;
```

OUTPUT:

Result Grid   Filter Rows: <input type="text"/>		
	Fuel_Type	Average_Resale_Price
▶	Hybrid	135764.8685
	Electric	133162.1258
	Petrol	132543.5246

6. Count of Bikes by Owner Type

```
select Owner_Type, count(*) as Count_of_Bikes
from bike_sales
group by Owner_Type
order by Count_of_Bikes DESC;
```

OUTPUT:

Result Grid			Filter Rows:
	Owner_Type	Count_of_Bikes	
▶	First	3407	
	Second	3336	
	Third	3257	

7. Bikes Manufactured in a Specific Year

#7

```
select Year_of_Manufacture, count(*) as No_Of_Bikes
from bike_sales
group by Year_of_Manufacture
order by No_Of_Bikes desc;
```

OUTPUT:

Result Grid			Filter Rows:
	Year_of_Manufacture	No_Of_Bikes	
▶	2015	1060	
	2024	1051	
	2023	1029	
	2019	1019	
	2022	987	
	2016	987	
	2017	977	
	2020	969	

8. Average Resale Price by City Tier

#8

```
select City_Tier, avg(Resale_Price_INR) as Avg_Resale_Price
from bike_sales
group by City_Tier
order by Avg_Resale_Price;
```

OUTPUT:

Result Grid			Filter Rows:
	City_Tier	Avg_Resale_Price	
▶	Tier 2	133443.3349	
	Metro	133490.9309	
	Tier 1	133586.6045	
	Tier 3	134739.3718	

9. Bikes with Insurance

#9

```
select count(*) as insured_bikes
from bike_sales
where Insurance_Status = 'Active';
```

OUTPUT:

Result Grid		Filter Rows:
	insured_bikes	
▶	3321	

10. Top 5 Brands by Total Resale Value

#10

```
select Brand, avg(Resale_Price_INR) as Resale_Value
from bike_sales
group by Brand
order by Resale_Value
limit 5;
```

OUTPUT:

Result Grid			Filter Rows:
	Brand	Resale_Value	
▶	Honda	131097.4922	
	KTM	132002.7233	
	Royal Enfield	132591.3791	
	TVS	133496.5608	
	Kawasaki	134372.9086	

11. Average Daily Distance by Fuel Type

#11

```
select Fuel_Type, AVG(Avg_Daily_Distance_km) as Average_D
from bike_sales
group by Fuel_Type;
```

OUTPUT:

Result Grid			Filter Rows:
	Fuel_Type	Average_Daily_Distance	
▶	Electric	42.96227532365574	
	Hybrid	42.23075590772288	
	Petrol	42.41608283858517	

12. Bikes Sold by Seller Type

#12

```
select Seller_Type, Count(Seller_Type)
from bike_sales
group by Seller_Type;
```

OUTPUT:

Result Grid			Filter Rows:
	Seller_Type	Count(Seller_Type)	
▶	Individual	4965	
	Dealer	5035	

13. Bikes with Engine Capacity Above 200cc

#13

```
select Brand,Model,Engine_Capacity_cc
from bike_sales
where Engine_Capacity_cc > 200;
```

OUTPUT:

Result Grid				Filter Rows:	Expc
	Brand	Model	Engine_Capacity_cc		
▶	Royal Enfield	Hunter 350	672		
	Bajaj	Dominar 400	769		
	KTM	125 Duke	216		
	Kawasaki	Ninja 300	556		
	Yamaha	FZ V3	298		
	Hero	Splendor Plus	386		
	Royal Enfield	Meteor 350	970		
	Kawasaki	Vulcan S	375		

14. Average Resale Price by Registration Year

#14

```
select Year_of_Manufacture, avg(Resale_Price_INR) as AVG_Res  
from bike_sales  
group by Year_of_Manufacture;
```

OUTPUT:

Result Grid			Filter Rows:
	Year_of_Manufacture	AVG_Resale_Price	
▶	2021	134324.9406	
	2020	131873.3509	
	2019	134743.0314	
	2022	132011.2219	
	2024	134439.7469	
	2015	134240.9358	
	2017	135774.0839	
	2018	135447.4568	

Result 19 ×

15. Bikes with the Lowest Mileage

#15

```
select Brand, Model, Mileage_km_l  
from bike_sales  
order by Mileage_km_l asc  
limit 5;
```

OUTPUT:

Result Grid				Filter Rows:
	Brand	Model	Mileage_km_l	
▶	Hero	Xtreme 160R	25	
	Yamaha	R15 V4	25.01	
	Honda	Activa	25.03	
	Yamaha	Ray ZR	25.03	
	Royal Enfield	Hunter 350	25.06	

16. Total Resale Value by State

#17

```
select State, AVG(Resale_Price_INR) as Resale_Value
from bike_sales
group by State;
```

OUTPUT:



	State	Resale_Value
►	Karnataka	134381.2149
	Rajasthan	131219.3530
	Madhya Pradesh	131771.1429
	Maharashtra	130839.1592
	Tamil Nadu	133388.8370
	Punjab	134903.6108
	Gujarat	137316.1647
	Uttar Pradesh	136084.8833

17. Bikes Sold in Tier I Cities

#17

```
select Brand,Model,City_Tier
from bike_sales
where City_Tier='Tier 1';
```

OUTPUT:

Result Grid   Filter Rows:			
	Brand	Model	City_Tier
►	Kawasaki	Ninja 300	Tier 1
	Kawasaki	Vulcan S	Tier 1
	Hero	Xtreme 160R	Tier 1
	Honda	Activa	Tier 1
	Yamaha	Ray ZR	Tier 1
	Bajaj	Avenger 220	Tier 1
	Kawasaki	Vulcan S	Tier 1
	TVS	Ntorq 125	Tier 1

18. Average Price by Brand and Fuel Type

#18

```
select Brand, Fuel_Type, avg(Price_INR) as Price
from bike_sales
group by Brand, Fuel_Type
Order by Price desc;
```

OUTPUT:



Result Grid	Filter Rows:	E
Brand	Fuel_Type	Price
Bajaj	Hybrid	235904.9850
KTM	Hybrid	231031.7140
Bajaj	Petrol	230622.2063
Yamaha	Petrol	229441.1228
Hero	Electric	228150.5960
Hero	Hybrid	227400.4052
Royal Enfield	Petrol	226329.7227
Bajaj	Electric	225811.3939

19. Bikes with Resale Price Above Average

#19

```
select Brand, Model, Resale_Price_INR
from bike_sales
where Resale_Price_INR >
(select avg(Resale_Price_INR) from bike_sales);
```



OUTPUT:

Result Grid			 Filter Rows:	
	Brand	Model	Resale_Price_INR	
▶	Royal Enfield	Hunter 350	149934	
	KTM	125 Duke	141523	
	Royal Enfield	Meteor 350	175039	
	Hero	HF Deluxe	146321	
	Kawasaki	Vulcan S	180614	
	Kawasaki	Z650	235841	
	Yamaha	Fascino 125	139468	
	Hero	Xtreme 160R	249939	

20. Count of Bikes by Year of Manufacture

```
select Year_of_Manufacture, count(*) as count
from bike_sales
group by Year_of_Manufacture
order by Year_of_Manufacture ASC;
```

OUTPUT:

Result Grid   Filter Rows: <input type="text"/>		
	Year_of_Manufacture	count
▶	2015	1060
	2016	987
	2017	977
	2018	961
	2019	1019
	2020	969
	2021	960
	2022	987