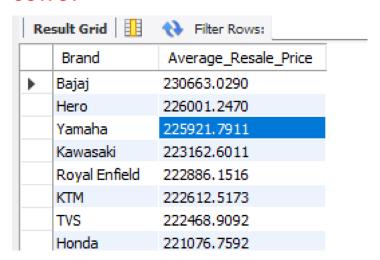
Solving Questions using SQL Queires

I. Total Number of Bikes Sold

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



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;
```

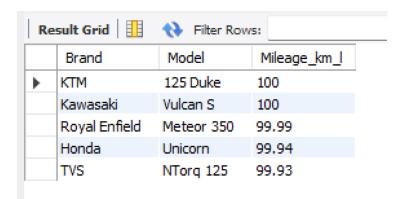
OUTPUT

Result Grid	(3)	Filter Rows:
state		Total_Sales
Punjab		1051
Maharashtra	ı	1030
Rajasthan		1017
Uttar Prades	h	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;
```

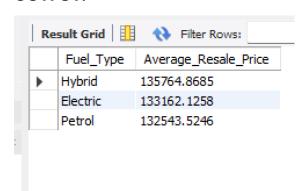
OUTPUT



5. Average Price by Fuel Type

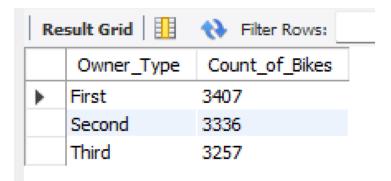
```
select Fuel_Type, avg(Resale_Price_INR) as Average_Resale_Price
from bike_sales
group by Fuel_Type
order by Average_Resale_Price desc;
```

OUTPUT:



6. Count of Bikes by Owner Type

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



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;
```

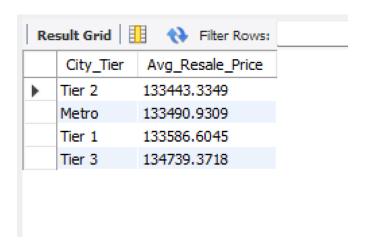
OUTPUT:



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;
```

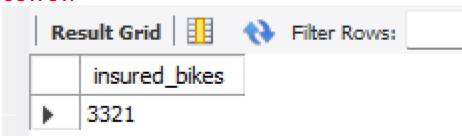
OUTPUT:



9. Bikes with Insurance

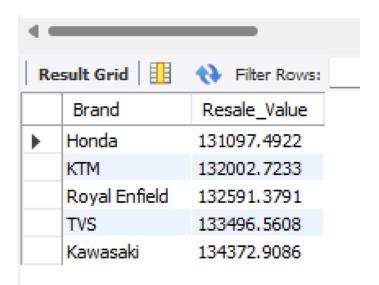
```
#9
select count(*) as insured_bikes
from bike_sales
where Insurance_Status = 'Active';
```

OUTPUT:



10. Top 5 Brands by Total Resale Value

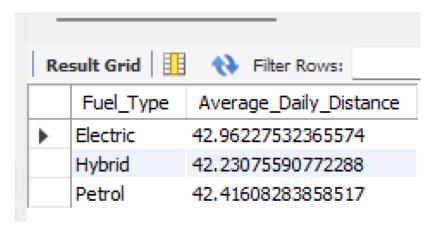
```
#10
select Brand, avg(Resale_Price_INR) as Resale_Value
from bike_sales
group by Brand
order by Resale_Value
limit 5;
OUTPUT:
```



II. 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;
```

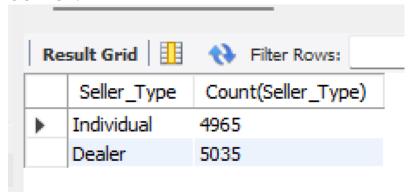
OUTPUT:



12. Bikes Sold by Seller Type

```
#12
select Seller_Type, Count(Seller_Type)
from bike_sales
group by Seller_Type;
```

OUTPUT:



13. Bikes with Engine Capacity Above 200cc

```
#13
select Brand,Model,Engine_Capacity_cc
from bike_sales
where Engine_Capacity_cc > 200;
```

OUTPUT:

Re	esult Grid	Filter Rows:	E
	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
Hil	ra eslacità 🗸		

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:

Re	sult Grid 🔡 🙌 Filte	er 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
Res	sult 19 🗙	

15. Bikes with the Lowest Mileage

```
#15
select Brand, Model, Mileage_km_]
from bike_sales
order by Mileage_km_l asc
limit 5;
```

OUTPUT:

Re	sult 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:

Re	sult Grid	📙 🙌 Filter R	lows:
	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	MTora 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:
                                            E
 Result Grid
               Filter Rows:
    Brand
                Fuel_Type
                           Price
                Hybrid
                           235904.9850
   Bajaj
    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
                Electric
                           225811.3939
Daenlt 24 🐱
```

19. Bikes with Resale Price Above Average

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

OUTPUT:



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:
```

	Year_of_Manufacture	count
•	2015	1060
	2016	987
	2017	977
	2018	961
	2019	1019
	2020	969
	2021	960
	2022	987