**Spinny SQL Queries Data script**

# 1. Need full data of the tables?

select \* from spinny;

# 2. What are the values of the prices, make, emi, kms?

select count(Make), sum(Price), avg(EMI\_per\_Month), avg(KMS\_Driven) from spinny;

# 3. How many unique values are there is make?

select distinct(Make) from spinny;

# 4. How many fuel types are there?

select distinct(FuelType) from spinny;

# 5. Calculate Average EMI per year?

select avg(EMI\_Per\_Month)\*12 as EMI\_Per\_Year from spinny;

# 6. What is the average price of fuel type?

select FuelType, avg(Price) as Avg\_price\_car from spinny

where FuelType in ('petrol', 'diesel', 'petrol+cng')

group by FuelType;

# 7. What is the average price of cars grouped by transmission type (Manual vs Automatic)?

select Transmission, avg(Price) as Avg\_Price\_car\_by\_Transmission from spinny

where Transmission in ('manual', 'automatic')

group by Transmission;

# 8. What is the average emi per month of cars grouped by transmission type (Manual vs Automatic)?

select Transmission, avg(EMI\_per\_Month) as Avg\_Emi\_Per\_Month from spinny

where Transmission in ('manual', 'automatic')

group by Transmission;

# 9. What is the average kms driven of cars grouped by transmission type (Manual vs Automatic)?

select Transmission, avg(KMS\_Driven) as Avg\_KMS\_Driven from spinny

where Transmission in ('manual', 'automatic')

group by Transmission;

# 10. What is the average kms driven, avg price, avg emi per month of cars grouped by transmission type (Manual vs Automatic)?

select Transmission, avg(Price) as Avg\_Price\_car\_by\_Transmission,

avg(EMI\_per\_Month) as Avg\_EMI\_Per\_Month, avg(KMS\_Driven) as Avg\_KMS\_Driven from spinny

where Transmission in ('manual', 'automatic')

group by Transmission;

# 11. Which car make has the highest number of listings?

select Make, COUNT(\*) as total\_make from spinny

group by Make

order by total\_make desc;

# 12. Which car make and model has the highest number of listings?

select Make, COUNT(\*) as total\_make, Model, count(\*) as total\_models from spinny

group by Make, Model

order by total\_make desc;

# 13. Which car model has the highest average price among automatic transmissions?

select Model, format(avg(price),2) as avg\_price\_per\_model from spinny

where Transmission in ('automatic')

group by Model;

# 14. Find out how many cars have been driven less than 30,000 KMS and are priced below ₹5 lakhs?

select Model, count(\*) as total\_count from spinny

where KMS\_Driven<30000 and Price<500000

group by Model

order by total\_count desc;

#15. What is the average KMS driven for each fuel type?

select FuelType, format(avg(KMS\_Driven),0) as Avg\_KMS\_Driven from spinny

group by FuelType

order by Avg\_KMS\_Driven desc;

# 16. How many petrol and diesel cars are listed?

select FuelType, count(\*) as count\_of\_fuel\_type from spinny

group by FuelType;

# 17. What is the average price and total count of cars by location and fuel type?

select Location, format(avg(Price),2) as Avg\_Price, count(Model) as Total\_Models

from spinny where FuelType in ('petrol', 'diesel')

group by Location

order by Avg\_Price desc;

# 18. Find the top 5 most expensive cars in the dataset.

select distinct(Make), Variant, Price from spinny

order by price desc limit 5;

# 19. Which year model cars are highest?

select Year, count(\*) as total\_count from spinny

group by Year

order by total\_count desc;

# 20. Which cars in Hyderabad have an EMI less than ₹6,000?

select Location, Model from spinny

where EMI\_per\_Month<6000;

# 21. How many cars are available from each brand that offer manual transmission?

select Make, count(Make) as count\_of\_manual\_transmission from spinny

where Transmission in ('manual')

group by Make;

# 22. Which fuel type has the highest average EMI?

select FuelType, format(avg(EMI\_per\_Month),2) as avg\_emi\_month from spinny

group by FuelType;

# 23. Rank car models by the number of listings in descending order?

select Make, Model, rank() over(order by Price) from spinny;

# 24. Find how many unique car variants are available for each make?

select Make, count(distinct Variant) as variant from spinny

group by Make;

# 25. Find all cars listed with KMS\_Driven greater than 1 Lakh.

select Model from spinny

where KMS\_Driven>100000;