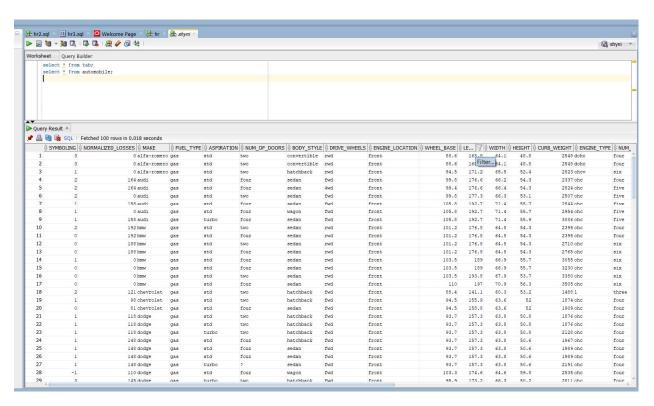
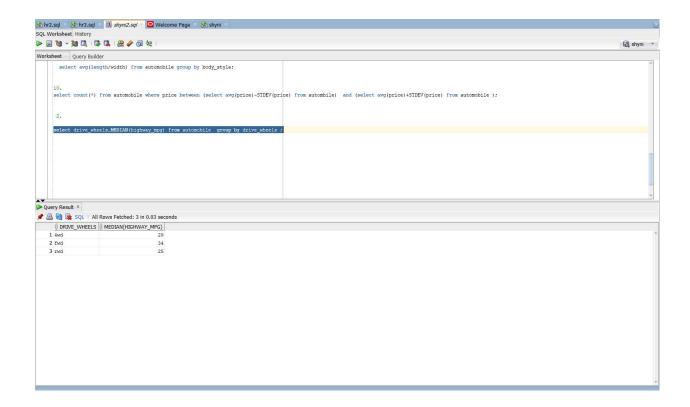
ORACLE SQL CAPSTONE

1.

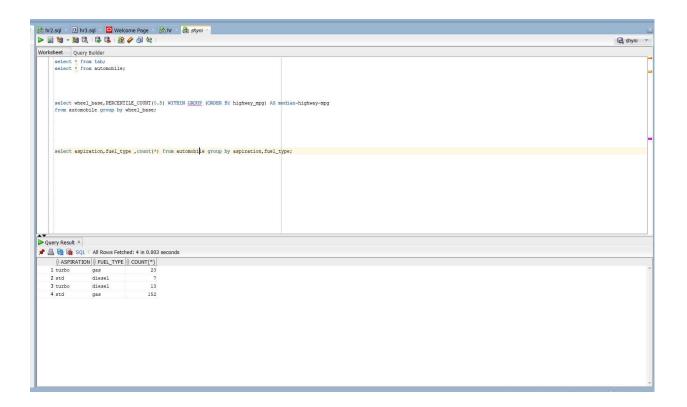


- ➤ The above query gives the the total number of rows and columns of automobile dataset.
- > This automobile dataset gives the summary of how the different types of companies and organizations will design, development, manufacturing, marketing ,pricing, selling and modification of motor vehicles all these are discussed here.
- The Indian automobile industry has historically been a good indicator of how well the economy is doing.

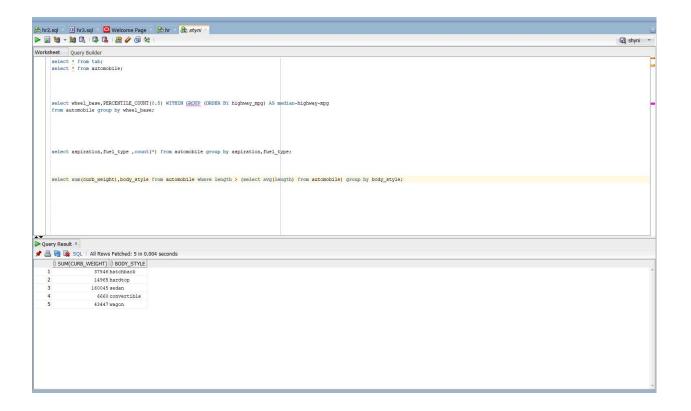
2.



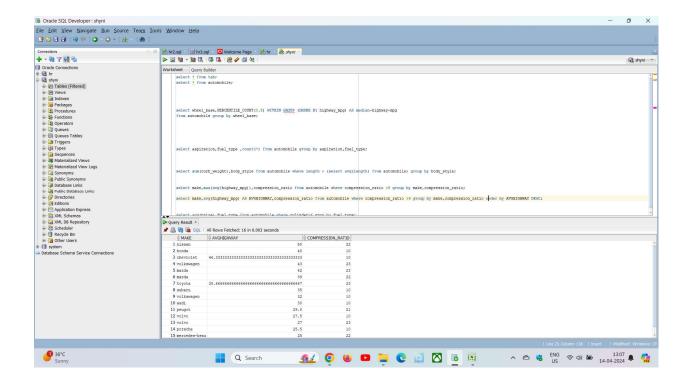
- > The above query gives the median highway mpg of car that means how much distance a vehicle will go in miles for a gallon of fuel.
- > That means the fuel economy of vehicle will be revealed.
- > This is how many litres of fuel the car needs in order to travel 100km.
- > 1 gallon =3.78 litres in India and us and 1mile= 1.6 km based on this we will calculate the median highway mpg.
- Form the above Top 2 median highway _mpg are 1. Fwd (34) 2.4wd (29)



- The cars will have the two types of fuel type 1.gas 2.petrol based on this fuel will be filled to run the vehicle smoothly.
- > cars aspiration means is the engine type which means to give better fuel efficiency.
- > Top 2 aspirations are 1.Std (152)
 - 2.Turbo(23)
- > Top 2 fuel _type vehicles are 1.Gas (152)
 - 2.Diesel (13)



- > Curb weight is the weight of the vehicle including the full tank of fuel and all standard equipment ,and it doesnot count the other weights like passenger weight .
- > Here the curb weight is gretear than the average length of all the vehicle is revealed
- ➤ Here body style means design ,shape,space of the car is revelaed .
- The best body_style is sedan .
- From the above Top 2 Curb-weight are 1. Sedan (160045) 2.wagon (43447)



- From the above the company avghighway capacity of the each company will be revealed .
- > Top 3 companies of avghighway capacity are 1 .NISSAN (50)

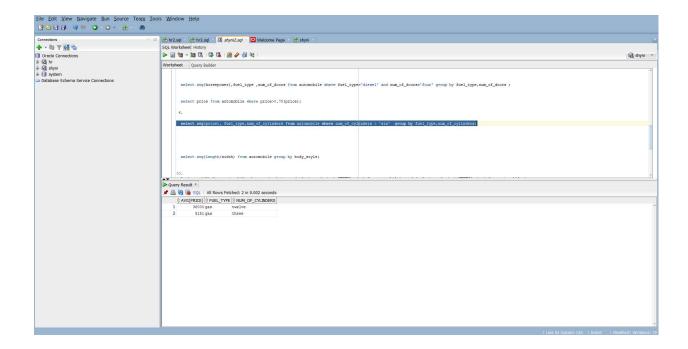
2.HONDA (48)

3.CHEVROLET (46.33)

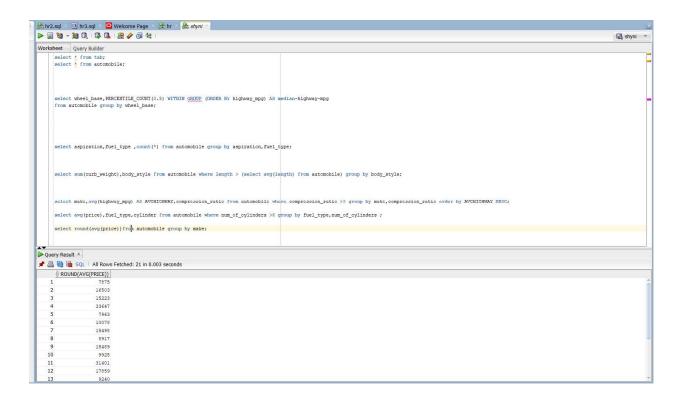
➤ Here top 3 Compression ration of each care also revelaed 1.volkswagen

2.mazda

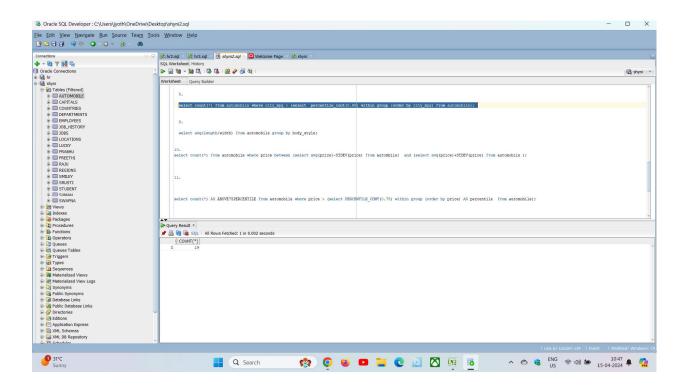
3.toyota



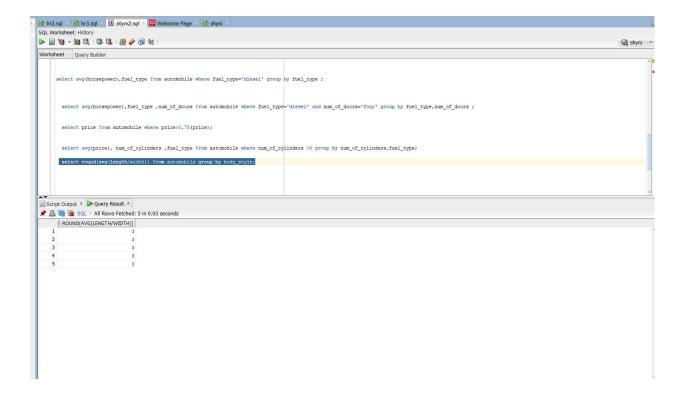
- > From the above average price of the each fuel type where the number of cylinders is greater than 6 will be revealed here.
- > Here the highest number of cylinders used cars is revealed here .
- ➤ Here the gas fuel type max average price is 36000.



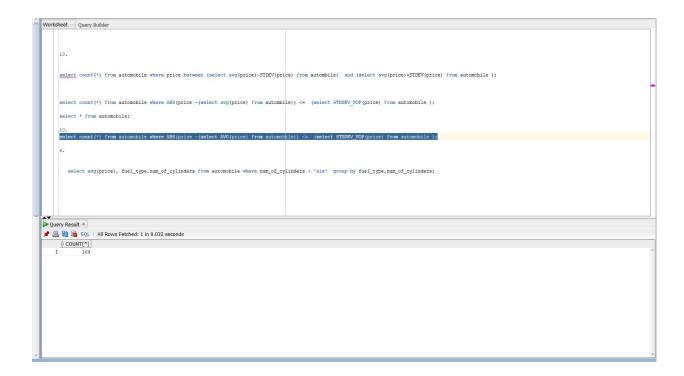
- > From the above average price of each company will be revelaed here .
- > There are totally 21 compaines are there from the above dataset .



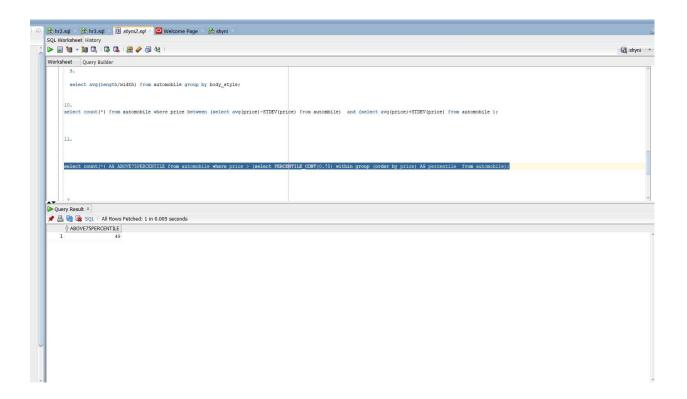
- Form the above we will find out the city _mpg greater than the 90% of city_mpg .
- > City_mpg means within the city how much fuel the vehicle will consume by starting and stopping all these are revealed .
- > Total 19 cars have good city _mpg .



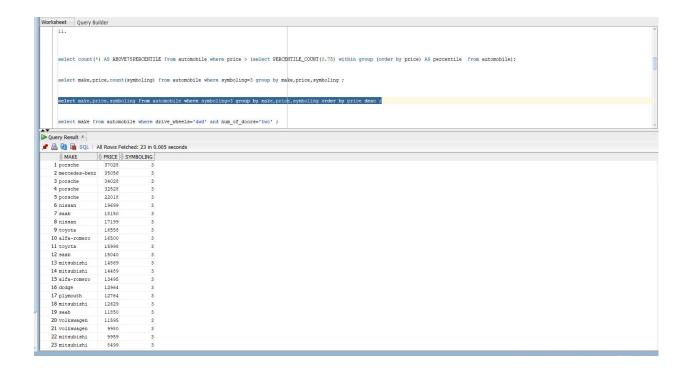
- From the above average of length to width ratio for each body_style will be revealed.
- > From this the avg ratio is almost same for all 5 body_styles .
- > Length to width means the dimesions are same for all cars .



- > From the above we can find the number of cars with the standard deviation of price will be found.
- Means the 68 % of the cars will fall under one standard deviation of the average price.
- > Here the number of cars of within one standard deviation is 169.



- From the above we can find the price is greater than the 75% of the price of the car.
- > The cost of the cars that are above 75% of price that means costly cars are revealed.
- > Total 49 cars are the costly cars indicated here.



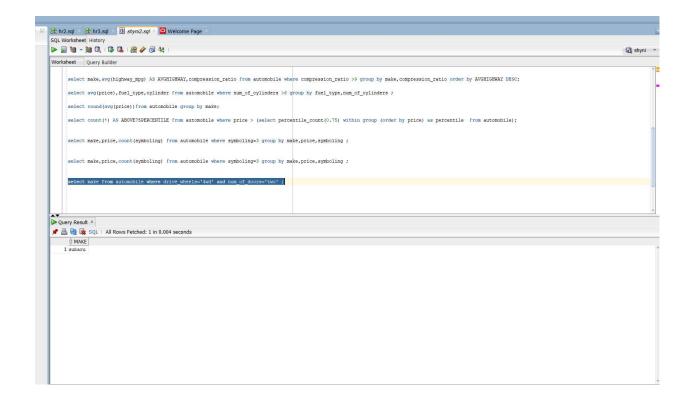
- From the above the each company price is revealed and safest cars of each company is revealed.
- From this the high price of top 3 companies that are safest are 1 .porsche (37028)

2.mercedes_benz(35056)

3.nissan (19699)

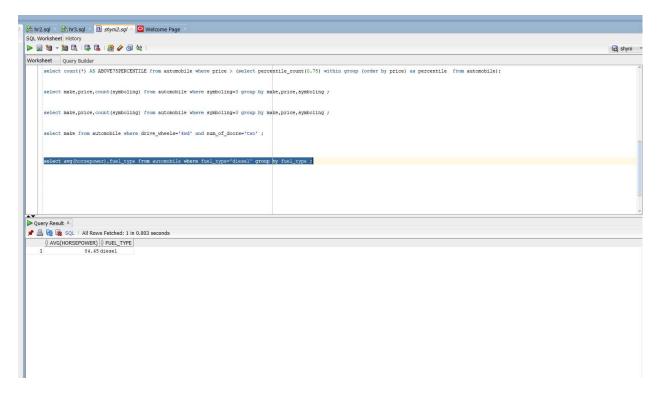
There are total 12 companies provides the safest cars among all the companies.

13.

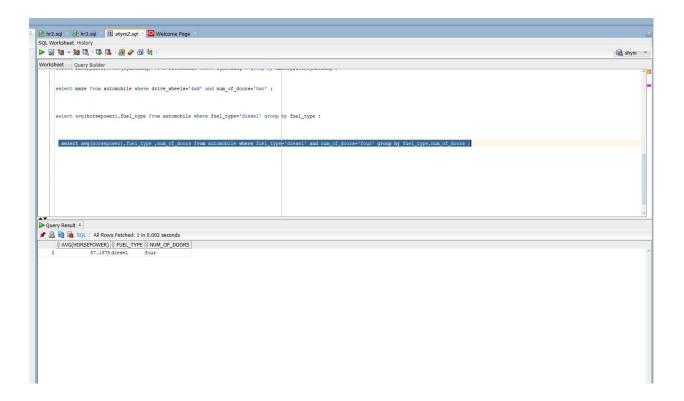


- > From the above the company which has the both drive_wheel= 4wd and num_of_doors=two means particular type will be revealed.
- There are 3 types of drive_wheels there and num_of_doors are also 3.

14.



- From the above average horsepower of vehicle will be revealed for a particular fuel type of diesel .
- ➤ Average diesel horsepower of all the companies is 84.45
- ➤ Horse power means it's how much work the engine is capable of.



- From the above avg horse power of cars with fuel_type is diesel and num_of_doors is 87.187.
- > Large engines prouduce the high horse power and small engines can produce low horse power.
- ➤ Horse power means rate of work that how much fuel that engine can burn in a given time will be revealed here.