CREATE TABLE

CREATE TABLE cars (id int primary key, model varchar(255), year int, price int, transmission varchar(255), mileage int, fuelType varchar(255), tax int, mpg float, engineSize float, type varchar(255));

--

INSERT DATA

insert into cars values

(12,'5 Series', 2016, 16000, 'Automatic', 62794, 'Diesel', 160, 51.4, 3, 'bmw'),

(11,'1 Series', 2017, 12750,'Automatic', 26676, 'Diesel', 145, 72.4 ,1.5, 'bmw'),

(10,'7 Series', 2014, 14500, 'Automatic', 39554, 'Diesel', 160, 50.4, 3, 'bmw'),

(9,'5 Series', 2016, 14900, 'Automatic', 35309, 'Diesel', 125, 60.1, 2, 'bmw')

;

insert into cars values

( 8,'5 Series', 2014, 11200, 'Automatic', 67068, 'Diesel', 125, 57.6, 2, 'bmw'),

(7,'6 Series', 2018, 27000, 'Automatic', 14827, 'Petrol', 145, 42.8, 2, 'bmw')

;

insert into cars values ( 6,'A1', 2016, 13900, 'Automatic', 32260, 'Petrol', 30, 58.9, 1.4, 'audi');

insert into cars values ( 5,'A3', 2019, 17300,'Manual', 1998, 'Petrol', 145, 49.6, 1, 'audi');

insert into cars values ( 4,'A4', 2017, 16800, 'Automatic', 25952, 'Diesel', 145, 67.3, 2, 'audi');

insert into cars values ( 3,'A1', 2016, 11000, 'Manual', 29946, 'Petrol', 30, 55.4, 1.4, 'audi');

insert into cars values ( 2,'A6', 2016, 16500, 'Automatic', 36203, 'Diesel', 20, 64.2, 2, 'audi');

insert into cars values ( 1,'A1', 2017, 12500, 'Manual', 15735, 'Petrol', 150, 55.4, 1.4, 'audi');

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QUERIES FOR MILESTONES

MILESTONE2

select \* from cars where id = 1

MILESTONE3

select \* from cars where year=(select max(year) from cars) AND price=(select min(price) from cars);

MILESTONE4

select \* from cars where fuelType='Petrol' and transmission='Automatic' and type='bmw' and mileage=(select max(mileage) from cars)

MILESTONE5

select \* from cars where fuelType='Diesel' and transmission='Manual' and type='audi' and mileage=(select max(mileage) from cars)

MILESTONE6

select \* from cars where engineSize = 2 order by price desc limit 10

MILESTONE7

select \* from cars where mileage > 70000 limit 5

MILESTONE8

select year, transmission from cars where fuelType='Petrol' and tax>200 limit 5

MILESTONE9

select \* from cars where transmission='Automatic' and type = 'bmw' and price between 80000 and 100000

MILESTONE10

select \* from cars where type='audi' and transmission='Semi-Auto' and mpg > 60 order by price desc;

MILESTONE11

select distinct type, year, model from cars where price = (select max(price) from cars);

