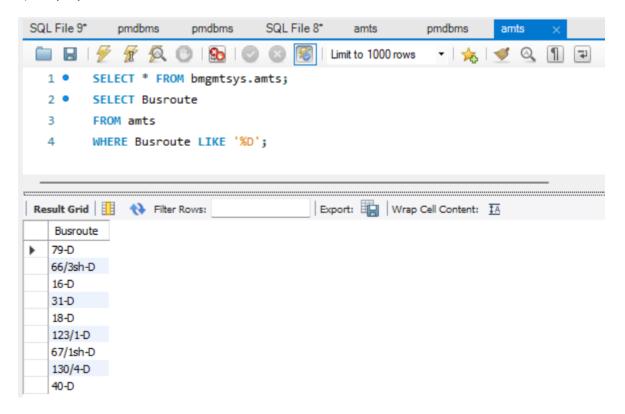
```
SCHEMA: bmgmtsys
TABLE NAME: amts
use bmgmtsys;
CREATE TABLE amts (
  BusId INT PRIMARY KEY,
  BusNo VARCHAR(50),
  BusCo VARCHAR(30),
  Busroute VARCHAR(40),
  Dtofissue DATE.
  fueltype VARCHAR(20),
  deptsrc VARCHAR(50),
  arrvsrc VARCHAR(50),
  stops INT,
  maintdue DATE
);
INSERT INTO amts(BusId, BusNo, BusCo, Busroute, Dtofissue, fueltype, deptsrc, arrvsrc,
stops, maintdue)
VALUES
  (1, 'HJ-01-7373', 'Tata', '79-D', '2020-10-05', 'CNG', 'Godrej Garden City', 'Badrinarayan
Society', 66, '2023-08-04'),
  (2, 'HJ-01-3832', 'Tata', '66/3sh-D', '2019-12-04', 'CNG', 'Moti Bhayan Chokdi',
'Sarangpur', 66, '2023-10-24'),
  (3, 'HJ-02-9845', 'Ashok Leyland', '117/1-U', '2021-01-05', 'Petrol', 'Kalupur Terminus',
'Miroli Gam', 55, '2023-12-20'),
  (4, 'HJ-10-1276', 'Tata', '130/2-U', '2022-06-11', 'Diesel', 'Naroda', 'Kamod Gam', 62, '2022-
12-24'),
  (5, 'HJ-23-5632', 'Eicher', '135/1-U', '2023-02-28', 'Petrol', 'Lal Darwaja', 'New Ind Colony',
47, '2024-11-09'),
```

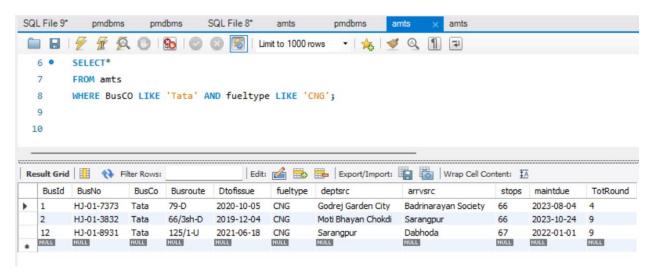
- (6, 'HJ-01-8912', 'Ashok Leyland', '15-U', '2018-04-19', 'Diesel', 'Maninagar', 'Chosar Gam', 44, '2021-07-09'),
- (7, 'HJ-01-7014', 'Eicher', '16-D', '2017-07-01', 'Petrol', 'Someshwar Mahadev', 'Vatva Railway Colony', 99, '2018-08-04'),
- (8, 'HJ-38-0125', 'Tata', '23-U', '2019-09-23', 'Diesel', 'Maninagar', 'Lambha', 40, '2022-07-09'),
- (9, 'HJ-01-6784', 'Eicher', '31-D', '2023-03-26', 'CNG', 'Meghaninagar', 'Sarkhej Gam', 54, '2023-05-10'),
- (10, 'HJ-04-4589', 'Ashok Leyland', '18-D', '2016-10-16', 'Petrol', 'Ujala Circle', 'Nigam Society', 51, '2024-01-08'),
- (11, 'HJ-02-2638', 'Eicher', '22sh-U', '2022-07-02', 'Diesel', 'Lal Darwaja', 'Indiranagar Vibhag-2', 34, '2023-11-25'),
- (12, 'HJ-01-8931', 'Tata', '125/1-U', '2021-06-18', 'CNG', 'Sarangpur', 'Dabhoda', 67, '2022-01-01'),
- (13, 'HJ-01-2365', 'Eicher', '123/1-D', '2023-03-12', 'CNG', 'Parshwanath Township ', 'Sarangpur',22, '2023-08-04'),
- (14, 'HJ-01-5647', 'Ashok Leyland', '20-U', '2017-05-05', 'Diesel', 'Dharmnagar', 'Hatkeshwar Temple', 20, '2018-07-03'),
- (15, 'HJ-01-4328', 'Tata', '67/1sh-D', '2020-09-21', 'Petrol', 'Sattadhar Society', 'Kalupur Terminus', 66, '2023-08-04'),
- (16, 'HJ-01-6731', 'Eicher', '42-U', '2022-10-05', 'CNG', 'Nigam Society', 'Shilaj Gam', 81, '2022-04-04'),
- (17, 'HJ-01-7323', 'Ashok Leyland', '130/4-D', '2019-05-20', 'Diesel', 'Manmohan Park', 'Nava Vadaj', 72, '2021-02-11'),
- (18, 'HJ-01-8902', 'Eicher', '40-D', '2021-07-12', 'Petrol', 'Lapakaman Gam', 'Vaishali Township', 72, '2022-08-01');

# **SQL QUERIES**

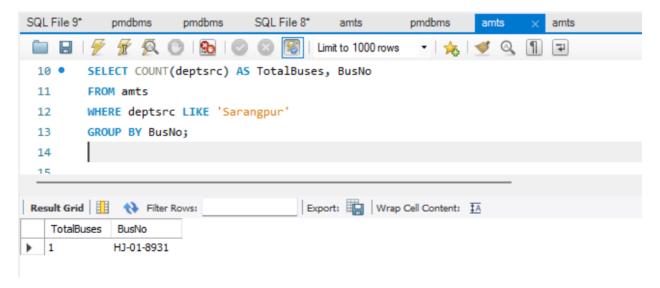
1) Display the records whose Bus routes have 'D' in the last.



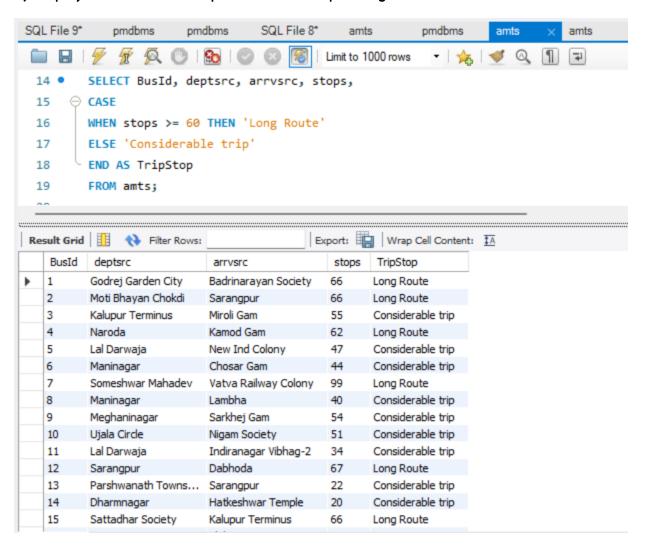
2) Display the list of Buses is of Tata and fuel type is of CNG



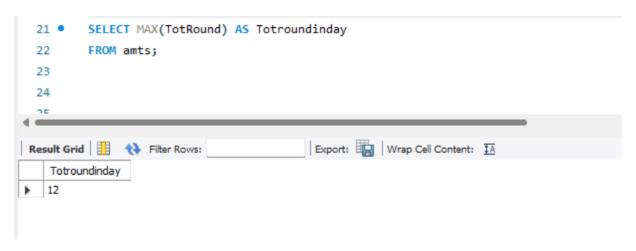
3) List the count of departure sources (Sarangpur) using alia group by Bus Number.



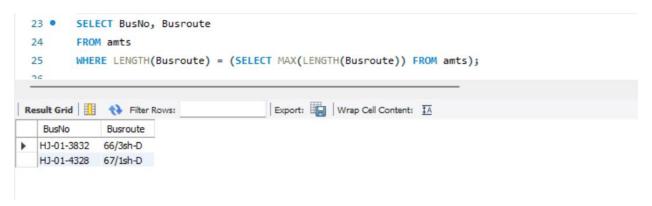
4) Display all the records as per the No of stops using Case function



5) Display the maximum round in a day by Bus.



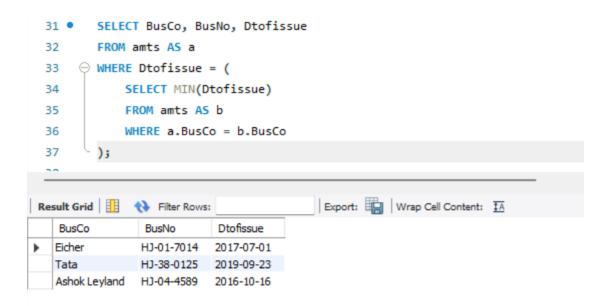
6) Find the Bus with Longest route in characters:



7) Find the Buses with maintenance due soon.



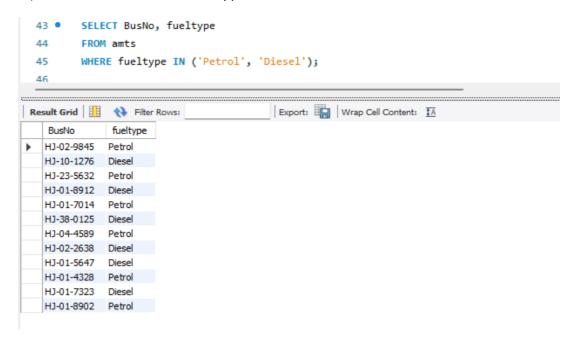
8) Find the Buses with earliest date of issue



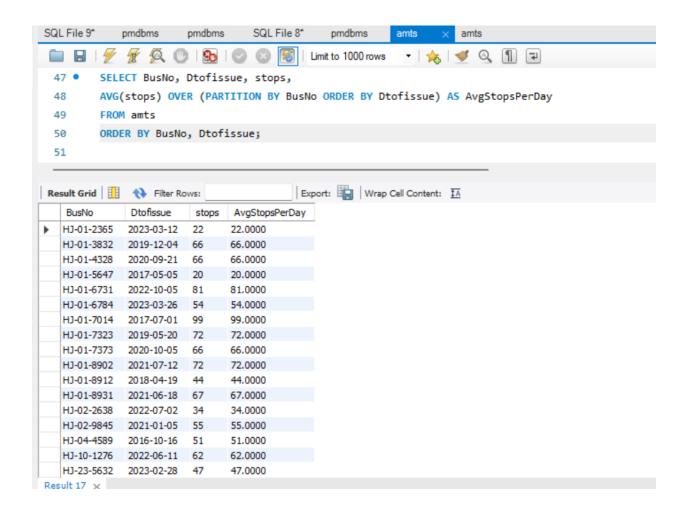
9) Display the buses with the most frequent departure sources.



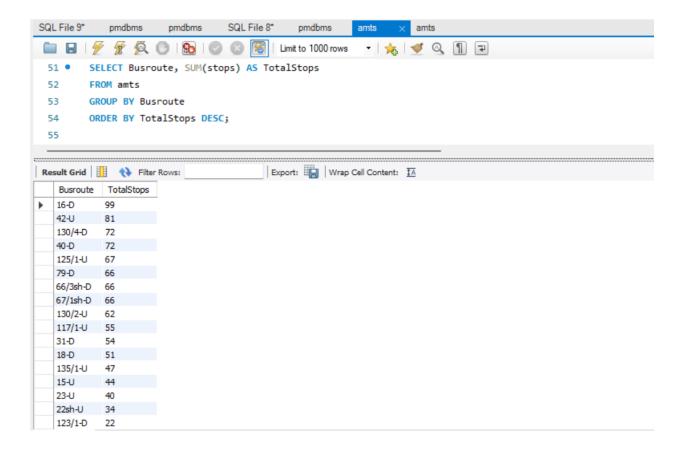
10) Find the Buses with Fuel type of Petrol and Diesel



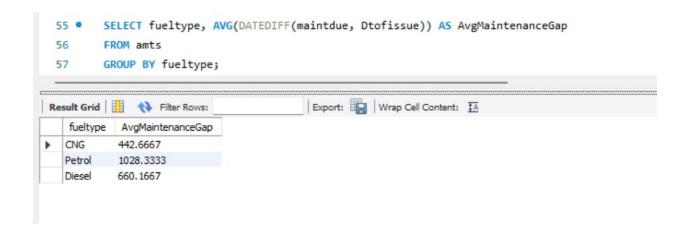
11) Find the Buses with Highest Average stops per Day since Date of Issue



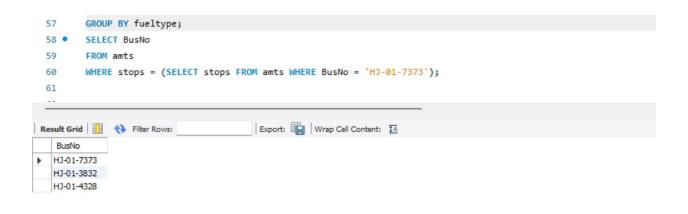
12) Calculate the total Number of stops for Each Route:



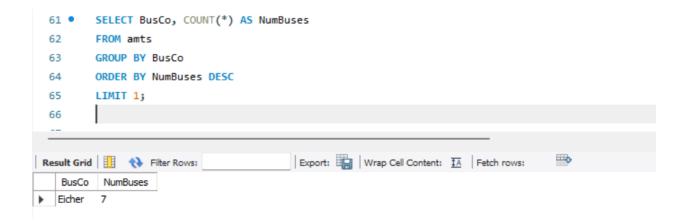
13) Calculate the Average Maintenance Gap for Buses of Each fuel type:



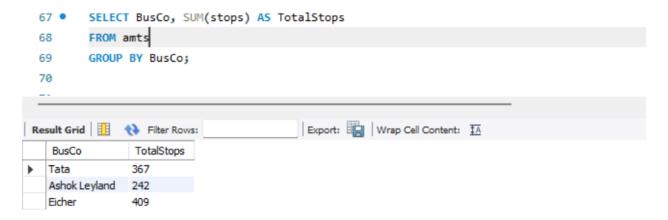
14) Display the Bus Registration Number of Buses with the same number of stops.



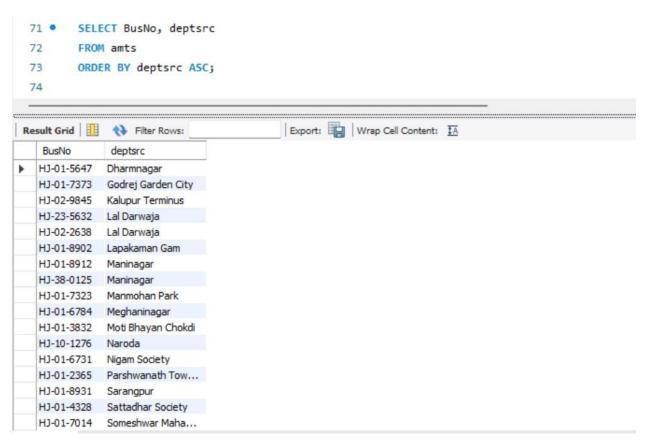
15) Display the Bus Company Name with the most number of Buses in the Databases.



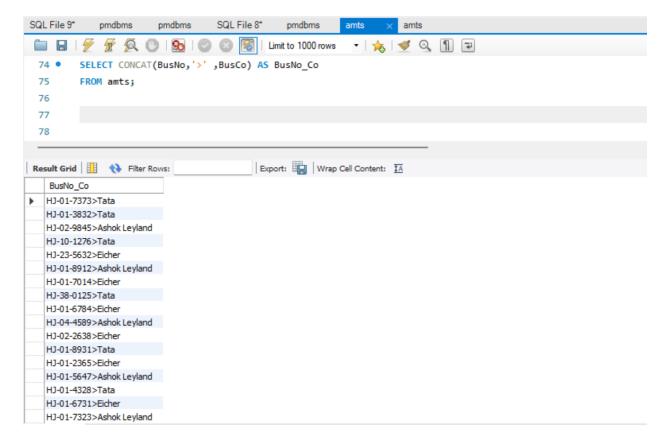
## 16) Calculate and display the total number of stops by each company



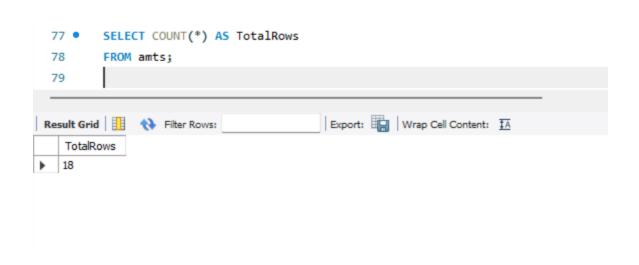
### 17) Sort the rows by departure source in ascending order



18) Combining Bus Number and Company of the vehicle into one column.



## 19) Count the Total number of rows



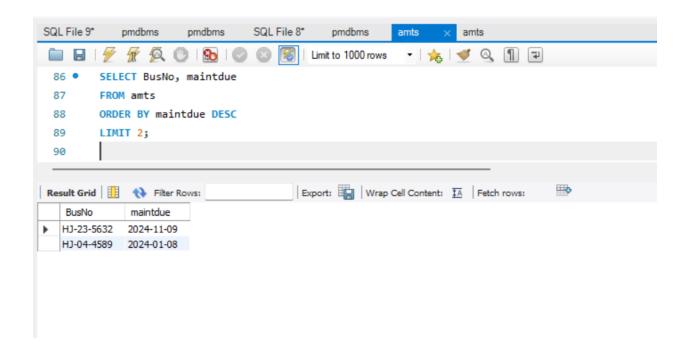
20) Show the Buses which originate from Lal Darwaja.



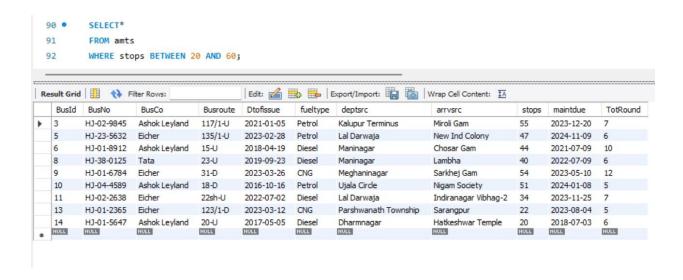
21) List the Buses which trip greater than or equal to 10



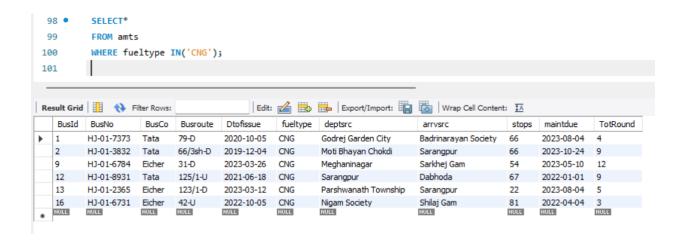
22) List the Buses with latest maintenance Due Dates:



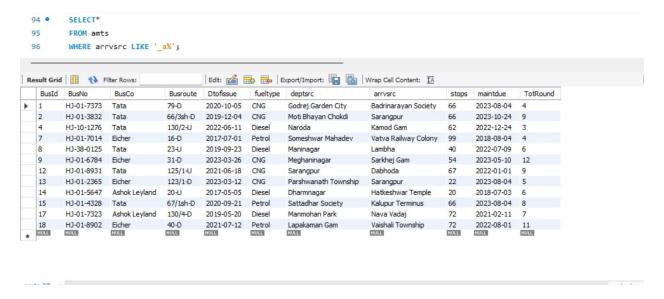
23) List the Buses having stops between 20 to 60



#### 24) Display all the records with fuel type of CNG



25) List the Buses with arrival source having 'a' at the second place.



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