**Question 4 (look at dbcreate2.sql)**

## Task1

1. Insert into the database information about a trip performed by a new truck driver. A new driver obtains employee number 21. His personal record is the following.

Harry F. Potter, born 21st , November, 1984, living in Waga Waga, Railway Street 25, NSW 2767, driver license number 666, and his present status is "on leave". The driver performed a trip from Sydney to Melbourne on 10th, April 2016. The driver used a truck with registration number PKR768.

The trip consisted of the following two legs: the first leg from Sydney to Canberra and then the second leg from Canberra to Melbourne.

1. A driver with an employee number 7 decided to quit a job. Remove all information about the driver and about all trips performed by the driver.

1. A registration number of a truck with the present registration number SST005 has been changed to PKR856.

## Task 2

1. Find full names of employees living in states NSW or WA.
2. Find full information about trucks that are not available just now.
3. Find dates of all trips performed by a driver with license number 10001 who used a truck different from a truck with registration PKR768.
4. List all information about the trips performed by the drivers with license numbers 10001, 10002, and 10003. List the result in the descending order of license numbers and for all trips with the same license number in the ascending orders of truck registration numbers.
5. List full names of all employees in uppercase format in the descending order of last names.

## Task3

1. Find the driver license numbers (attribute LNUM) of all drivers who performed at least one trip in 2015 or at least one trip in 2016.
2. Find the driver license numbers (attribute LNUM) of all drivers who performed at least one trip in 2015 and at least one trip in 2016.
3. Find the driver license numbers (attribute LNUM) of all drivers together with the total number of trips performed by each driver. You may ignore the drivers who performed no trips so far. For each driver list a driver license number to together with the total number of trips in one line, then next driver license number with the total number of trips in the next line, and so on.
4. Find the driver license numbers (attribute LNUM) of all drivers who performed more than 3 trips.
5. Find full names of all drivers whose present status is “on leave”.

## Task 4

1. Find full names of all drivers who used a truck with a registration PKR856 at least one time.
2. Find the pairs of truck registration number (attribute REGNUM) and driver license number (attribute LNUM) such that the present status of a truck is different from the present status of a driver.
3. Find the numbers of trips (attribute TNUM) of all trips that included 2 successive (adjacent) legs from Melbourne to Sydney and from Sydney back to Melbourne. This query must be implemented as a self-join query !
4. Find the driver license numbers (attribute LNUM) of all drivers together with the registration numbers of all trucks used by the drivers. If a driver has not used any truck so far then his driver license number must be listed with NULL.
5. Find the driver license numbers (attribute LNUM) of all drivers together with the total number of trips performed by each driver. If a driver performed no trips so far then his driver license number must be listed with 0. For each driver list a driver license number to together with the total number of trips in one line, then next driver license number with the total number of trips in the next line, and so on.