

Car Pooling System - Requirement 3

You are a very active member of a Nature Club in your organization. In one of the meetings, it was discussed to build a car pooling system to help cut down the pollution. Being very active and tech savvy, you wish to contribute towards the development of system. One of the members being an architect has understood the requirement and would be sharing you with smaller requirements.

Requirement 3:

There are always typical human entry errors that need to be validated so that the data being saved in the system is valid and can be used for later processing. Simple Rules that needs to be taken care:

1. Validate Car registration pattern. A typical registration pattern would be 2 chars-2 numbers – 2 chars – 4 numbers [TN-07-AS-1273]. Assume all characters are upper case.
2. Convert it to appropriate registration pattern –
During entry, some of them have used different alpha numeric characters as separator and the case sensitivity of characters have been left out. Ensure these two are fixed and the format given in (sub question) “a” is returned as output. Assume valid inputs are provided.
3. Check for validity of driving license with respect to date – Every Driving license is valid for 10 years. Assume today’s date as 15-06-2017. Check if the given driving license is valid.

Menu:

- 1) Valid Car registration Number
- 2) Convert Car registration Number
- 3) Valid Driving License

Enter choice

1

car registration number

TN38BR9689

TN38BR9689 is Invalid

Sample I/O 2:

Menu:

- 1) Valid Car registration Number
- 2) Convert Car registration Number
- 3) Valid Driving License

Enter choice

1

car registration number

TN-38-BR-9689

TN-38-BR-9689 is Valid

Sample I/O 3:

Menu:

- 1) Valid Car registration Number
- 2) Convert Car registration Number
- 3) Valid Driving License

Enter choice

2

car registration number

TN@38*BR@9689

TN-38-BR-9689

Sample I/O 4:

Menu:

- 1) Valid Car registration Number
- 2) Convert Car registration Number
- 3) Valid Driving License

Enter choice

3

driving license issue date

29-12-1990

26 years old license - expired

Sample I/O 5:

Menu:

- 1) Valid Car registration Number
- 2) Convert Car registration Number
- 3) Valid Driving License

Enter choice

3

driving license issue date

29-12-2010

6 years old license – valid