

Tutorial 6

Enumerations and structures

We are interested in the management of vehicles in a rent car office. Each vehicle is characterized by a registration number (matricule), a brand, a model, a color, the number of seats.

1. Give the record to describe a vehicle.
2. Break down the registration number into its elementary components and then give the new structure of the record. Meanwhile, the color is intended to belong to only three colors (white, black, and red).
3. Write the algorithm that allows to:
 - a. Store the information of a car park grouping a maximum of 50 vehicles using the appropriate structures;
 - b. provide the list (registration number, brand, model, power) of vehicles of a given color.
 - c. provide a statistical table containing the number of vehicles registered by wilaya.