Supermarket

You received a task to model a supermarket's depot.

The store sells shovels, trucks and dairy products (milk). All products have names (brand name), a unique identifier and quantity.

Dairy products have an expiration date (don't use Java *Date* class, but make your own classes to handle date types):
  - We have long-lasting milk and regular milk
  - Long-lasting milk has a 'normal' expiration date (year, month, day) but regular milk only has month and day as the expiration date

Shovels can be small, normal and big sized and can be made of aluminum, steel or plastic.

It turns out that people who want to buy a truck are mainly interested in the number of wheels a truck has, so we store this information.

The supermarket's management is interested in the status of the goods in the shop so make sure you can provide a list of the products currently in store. They would like to check only the profitable part of the products, so filter out the sour milk before providing the elements. Also, collect the number of sour milk and print this info to the console.

Fun fact: In fact it is not just a random decision that this supermarket sells milk, shovels and trucks. Trucks can be very useful when the milk goes sour. You can pack the milk on the truck, get a shovel and bury all the milk in a hole you've dig with the shovel on the edge of town. Don't worry you don't need to take this information in account to solve the assignment.