

ESERCIZI TECNICI

1. Roman numerals

Write a method in Java that takes a string representing a number in Roman numerals, returning an integer: the number represented.

E.g. IV is 4, VII is 7. Numbers may be between 1 and 20.

2. Supermarket kata

Write an application that acts as a super market point of sale application.

Input is product names, one per line – e.g. Apple or Banana. Application ends when a blank line is received; at the end the application should output the total cost of shopping. Prices are as follows:

- Apple 0.35 euro
- Banana 0.20 euro
- Melon 0.50 euro, but available on a 3 for the price of 2 offer
- Lime 0.15, but available in a buy one get one free offer

This can be written in Java or can also be an HTML+Javascript page

3. Interfaces and implementations

Given

```
class User{
```

```
    public String name;
```

```
    public String surname;
```

```
    public int age;
```

```
}
```

```
interface UsersConsumer{
```

```
    public void consume(List<Users> collection);
```

```
}
```

write a UsersConsumer implementation that prints to the console

all the users' information ordered by age.

The print format should be:

surname, name (age)