**Testo d'esame "Gestione appuntamenti in agenda"**

Write a python program to manage an electronic agenda for a solar year. All the appointments are saved in agenda.txt, one per line, with the following format:

*Day;time;description*

Assumptions:

* The day field is codified as 1-365
* The time field is codified on two digits [00-23]
* The description of the appointment is a string
* Number of lines is not known
* It is possible to have multiple appointments on the same day but with different timing
* The file is not ordered
* The format is correct

Write the program that supports:

Printing, in ascending order of time, all the appointments of a given day.

Insert a new appointment (specify a date, hour and description) IF in that day, and in that hour there is no already a reserved appointment.

In case it is not possible to insert it, print “IMPOSSIBLE TO INSERT”, else, “Appointment inserted correctly” following the details of that inserted appointment.

For simplicity, suppose that the commands are contained in a file called commands.txt, one per line, and they are written in the following way:

*v day (v for visualize)*

or

*i day time description (i to insert)*

*Example of agenda.txt:*

10;12;Lunch with the boss

17;09;Exam of Computer Science

17;17;Meeting with department

100;10;Doctor visit

75;19;Chilling with friends

*Example of commands.txt:*

v 17

i 100 10 Print Conference

i 120 10 Print Conference

**Output:**

day 17 at 09: Exam of Computer Science

day 17 at 17: Meeting with department

IMPOSSIBLE TO INSERT

Appointment inserted correctly

day 120 at 10: Conferenza stampa