

```
/**
 * A student is a person with an ID. IDs are not guaranteed to be unique in any
 * sense.
 *
 * @mathmodel n : String <br />
 *           id : Integer
 * @constraint n != "" <br />
 *           id >= 0 <br />
 *           id never changes
 * @initially Student() ensures n = "Baby Doe" and id = 0 <br />
 *           Student(String name, int identity) ensures n = name and id = identity
 */
public interface Student extends Person {
    /**
     * Returns the result of a ticket lottery. Each call to this method is a new
     * run of the lottery and so is not guaranteed to return the same result as
     * before. There is no guarantee of fairness in the lottery.
     *
     * @return result of a lottery for tickets.
     */
    boolean winsTicketLottery();

    /**
     * Displays identifying information of this student.
     *
     * @return a String containing identifying information related to the name
     *         and id of the student
     */
    String showInfo();
}
```