/**
 * A student is a person with an ID. IDs are not guaranteed to be unique in any
 * sense.
 * 
 * @mathmodel n : String 
 *            id : Integer 
 * @constraint n =/= "" 
 *             id >= 0 
 *             id never changes 
 * @initially Student() ensures n = "Baby Doe" and id = 0 
 *   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();
}