1. From the problem description, create a list of all classes that you can identify. For each class, list the associated member variables and identify an initial set of member functions.

* - Classes
  + - Methods
    - - Variables
* The included classes of PatientList and DoctorList
* Doctor class
  + Constructor
  + Add doctor
  + Remove doctor
  + Look up doctor and print by name (print their info & schedule)
    - String Name
    - Int Age
    - String Specialty
* Patients class
  + Constructor
  + Add patient
  + Remove patient
  + toString Look up patient and print by name (print their info)
    - String Name
    - Int Age
    - String Sex
* Scheduler class
  + Constructor
  + Menu output
  + Add appointments
  + Remove appointments
  + Check for appointments
    - Array[][] timeSlots // may use a switch statement instead of an array.
    - Int Hour
    - Doctor doctor
    - Patient patient

1. List out a set of steps that you will take to implement your solution to the problem. Each step refers to an increment of the program that you will be creating. It is recommended to complete the implementation of a single logical action per step (i.e. a step for listing of doctors/patients, a step for looking up a doctor/patient by name, etc.)