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
  + - Static Patients array and static constant size
    - Static Patients array and static constant size
* Doctor class
  + Constructor
  + Add doctor
  + Remove doctor
  + Look up doctor and print by name (print their info & schedule)
* Patients class
  + Constructor
  + Add patient
  + Remove patient
  + Look up patient and print by name (print their info)
* Scheduler class
  + Constructor
  + Menu output
  + Add appointments
  + Remove appointments
  + Check for appointments

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.)