

Doctor Class

Instance variables (private)

- name – string
- specialty – string
- yearsOfExperience – integer
- patientsSeen – StringBuffer

Public Methods:

- **Constructor** – Initialize the object with the name, specialty, and years of experience from parameters. Create a new, blank StringBuffer for the **patientsSeen** instance variable. (Use **this** to access the instance variables in the constructor.)
- **Constructor (2 parameters: name and specialty)** – Initialize the object with the name, specialty and 0 years of experience. It creates a StringBuffer.
- **Default Constructor** – Review what the default constructor is. This constructor will initialize the object with the values "NONAME", "GENERAL", and 0 (years of experience).
- **toString** method – Return a string with the name, specialty, yearsOfExperience and the patients seen by the doctor. Each piece of information is separated by a comma.
- **increaseExperience** – Increase the years of experience by a value specified in a parameter.
- **Getter/Setter** – Provide getter/setter for the **specialty** instance variable.
- **seePatient** – Take a string as parameter representing a patient's name and adds the patient to the patientsSeen instance variable. If the name parameter is null, no addition will take place. (Use append to add the patient's name.)

Private Methods:

- A method that checks whether years of experience is valid (value in the range 0 to 75). This method should be used by constructors and the **increaseExperience** method. If the years of experience is invalid, no change in the value will take place.