

SEMINAR 1

1. Simple Java programs

- A. Write a Java program that determines if an integer number appears in an array of integer numbers given as command line parameters, using sequential search and binary search.
- B. Write a Java program that finds the longest contiguous subsequence having the property that all elements are prime. The sequence is given as command line parameters.

2. Classes

Requirement

Develop an application that facilitates searching and communication between doctors and patients. It should allow patients to:

- search for doctors (by location, specialty, grade from reviews)
- get their records history
- see which doctors they consulted
- add doctor reviews
- edit their profile

Doctors should be able to:

- add, remove, modify, get patient records for their patients
- edit their profile
- plan appointments

For this seminar do the following:

- Write a Java class that keeps information about a doctor: *name, specialty, location, grade from reviews*.
- Define a repository which uses a data structure from Java to store all doctors.
- Implement a service and a UI for CRUD operations.