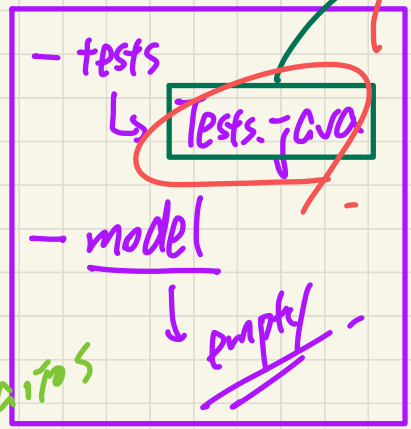
Lecture 1 - Monday, January 9

Lecture

Solving Problems via Data Structures

Searching

Assignments / ProgTests



starter project

only supply example scenarios (potentially incomplete)

↳ you are expected to:
1) do not hard-code your methods "just for the given tests"
2) write additional Junit tests to cover missing scenarios.

→ when grading your PT submissions:
1) Compilation
2) passing starter tests
3) additional grading tests

give you some initial idea about how methods should be:
- (1) declared
- (2) implemented

A Searching Problem

```
ResidentRecord find(int sin) {
  for(int i = 0; i < database.length; i ++) {
    if(database[i].sin == sin) {
      return database[i];
    }
  }
}
```

Efficient Solution

balanced binary search tree