# Doctor Details(---RETIRED---)

**Grade settings**: Maximum grade: 100

Disable external file upload, paste and drop external content: Yes

**Based on**: Doctor Details(---RETIRED---)

Run: Yes Evaluate: Yes Automatic grade: Yes

Aims Hospital wants to automate the details of doctors in their hospital. They would like to automate the process of extracting doctors data. You have been approached to develop a Java program for their requirements.

### **Component Specification: DoctorMain**

Type (Class)	Attributes	Methods
DoctorMain	Map <string, string=""></string,>	The getter and setter methods for the attribute are included in the code skeleton.

**Note:** Here the doctorDetailsMap , holds the Key as doctorId and Value as specialization.

### Requirement 1: Find the specialization based on the given doctorId.

Type (Class)	Methods	Responsibilities
DoctorMain	public String <b>findSpecialization</b> (String doctorId)	This method accepts a doctorId as an argument, and if the given doctorId matches the doctorIds present in the map, it must return the specialisation of the given doctorId. Else return a string "Invalid doctor id".  Condition: doctorId is case-sensitive.

Requirement 2: Filter the doctors based on the given specialization

Type (Class)	Methods	Responsibilities
DoctorMai n	public List <string> findDoctorsBasedOnTheGivenSpecializa tion(String specialization)</string>	This method accepts specialization as an argument, filters the doctor Ids based on the given specialisation, and returns the list of doctorId's.  Condition: specialization is case-insensitive.

You are provided with the main method as code template and it is excluded from evaluation.

#### Note:

- In the Sample Input / Output provided, the highlighted text in bold corresponds to the input given by the user, and the rest of the text represents the output.
- Ensure to follow the object-oriented specifications provided in the question description.
- Ensure to provide the names for the classes, attributes, and methods as specified in the question description.
- Adhere to the code template, if provided.

### Sample Input/Output 1

Enter number of records to be added:

5

Enter the details (doctorId: specialization):

HAR101:Neurology

HAR102:Endocrinology

**HAR103:Dermatology** 

HAR104:Cardiology

### HAR105:endocrinology

Enter the doctor id to be searched

#### **HAR104**

The given doctor HAR104 is specialized in Cardiology

Enter the specialization to be searched

### **Endocrinology**

Doctors specialized in Endocrinology are

**HAR105** 

**HAR102** 

## Sample Input/Output 2

Enter number of records to be added:

4

Enter the details (doctorId: specialization):

HAR101:Radiology

HAR102:Neurology

HAR103:Oncology

HAR104:Neurology

Enter the doctor id to be searched

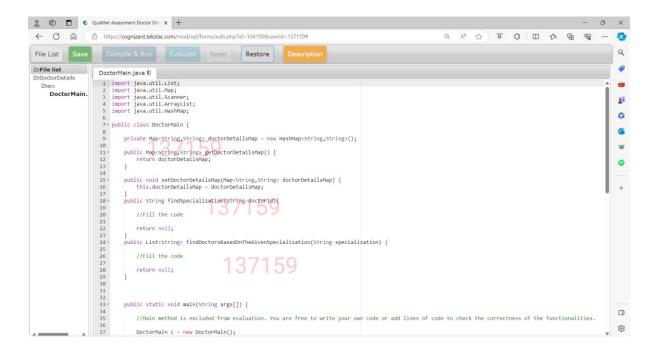
### **HAR107**

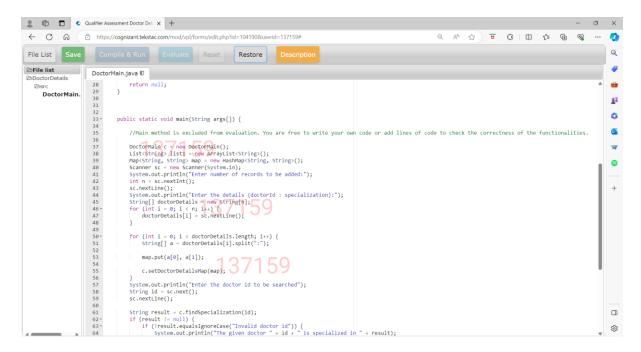
Invalid doctor id

Enter the specialization to be searched

#### **Pediatrics**

No doctors were found for the given specialization





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 ⇒File list
⇒DoctorDetails
⇒src
DoctorMain.
                  DoctorMain.java ₪
                                                                                                                                                                                                           -
                        for (int i = 0; i < doctorDetails.length; i++) {
   String[] a = doctorDetails[i].split(":");</pre>
                                                                                                                                                                                                           1I
                                   map.put(a[0], a[1]);
                                                                                                                                                                                                           0
                                      c.setDoctorDetailsMap(map);
                                                                                                                                                                                                           o-
                                    •
                                    String result = c.findSpecialization(id);
if (result != mull) {
   if (result != mull) {
      if (result != mull) {
        system.out.equalsignorecase("Invalid doctor id")) {
            system.out.println("The given doctor " + id + " is specialized in " + result);
      } else {
            System.out.println("Invalid doctor id");
      }
}
                                    } else {
   System.out.println("Invalid doctor id");
                                    } else {
    System.out.println("No doctors were found for the given specialization");
}
                                                                                                                                                                                                          а
                                                                                                                                                                                                           (3)
```