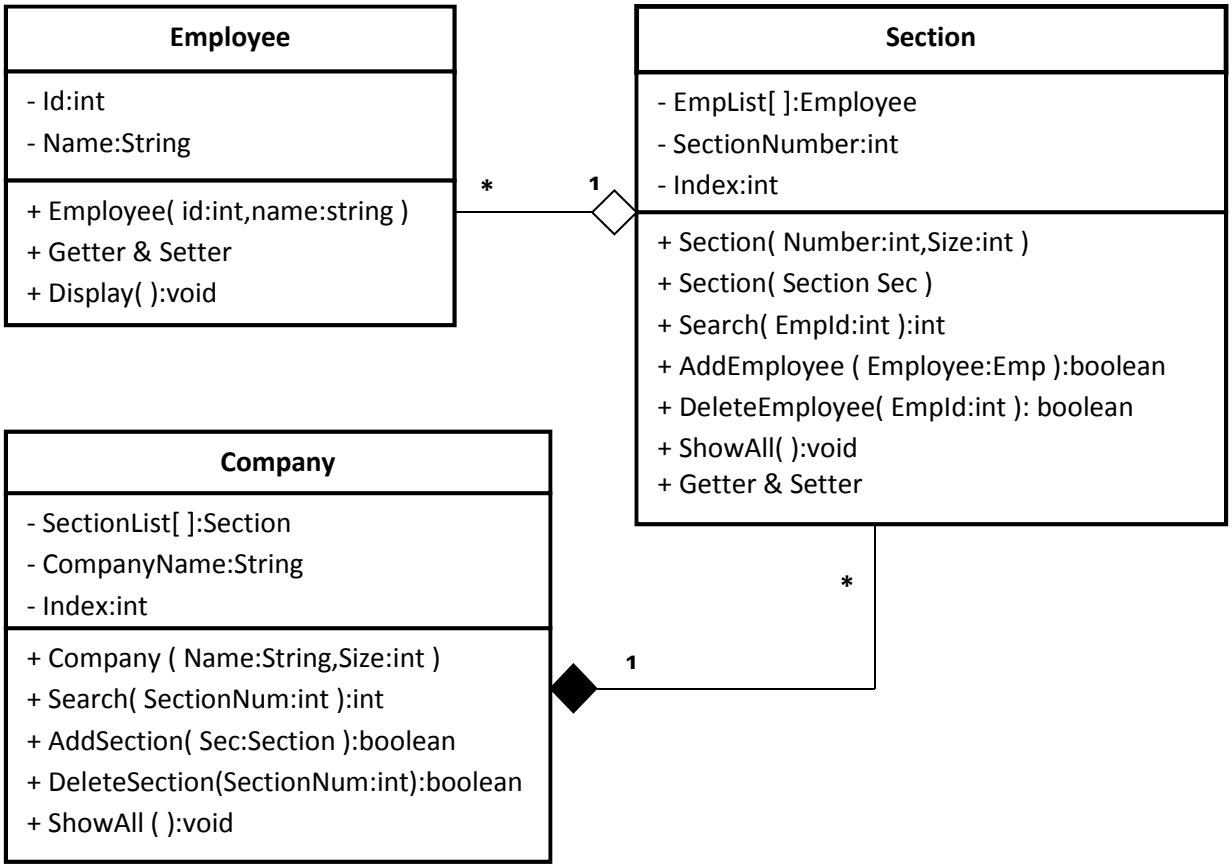
King Saud University
College of Computer and Information Sciences
Lab 3 Relationship Between Classes



Employee

Employee: Pass the parameter value to each Attribute.

Getter & Setter: Create the get and set method to each attribute.

Display: Displays patient id and Name in the following format:
Employee ID: 12 - Name: XY

Section

Search: Takes id and returns the index.

AddEmployee: Takes an Employee to add it to the section and return true if successful otherwise return false.

DeleteEmployee: Removes the Employee by using the returned index from search.

ShowAll: Shows the section number and list of employees in the section. In the following format:
Section Number :1234 – Count: 30

Employee List
….
….

Company

Search: Takes id and returns the index.

AddSection: Takes a section to add it to the company and return true if successful otherwise return false. *Hint:use new.*

DeleteSection: Removes the Section by using the index.

ShowAll: Shows the company name and the list of sections and employees in the sections.

" Name " Company

Section Number 123 - ect..

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Once you are done writing the classes, you need to test your work by implementing the class Lab3 with main method. There is no need to ask the user to enter the objects information; you can enter the information to create the objects in the constructors.

Lab3 Class:

Write the main and do the following:

1. Create six different Employee objects.
2. Create two Section objects of size 5.
3. Add the Employee to the sections, three Employees per each section.
4. Create Company object of size 3.
5. Add the two sections to the Company.
6. Show all information in the Company.
7. Delete one Employee from each section.
8. Show the result.
9. Delete one section.
10. Show the result after the delete.

Helpful tips and hints:

- To auto generate Getters and setters go to
  Source -> Generate Getter and Setter
  Or just type set and press Ctrl + Space for the variable you just added.
- To invoke the Auto Formatter for your code : Ctrl + Shift + F
- For auto complete: Ctrl + space
- To Undo: Ctrl + z
  To Copy: Ctrl + c
  To Paste: Ctrl + v
  To Save: Ctrl + s
- - private, + public, # protected.