

LAB 5 – Class-Object

Deadline: 14/10/2024, 23:59

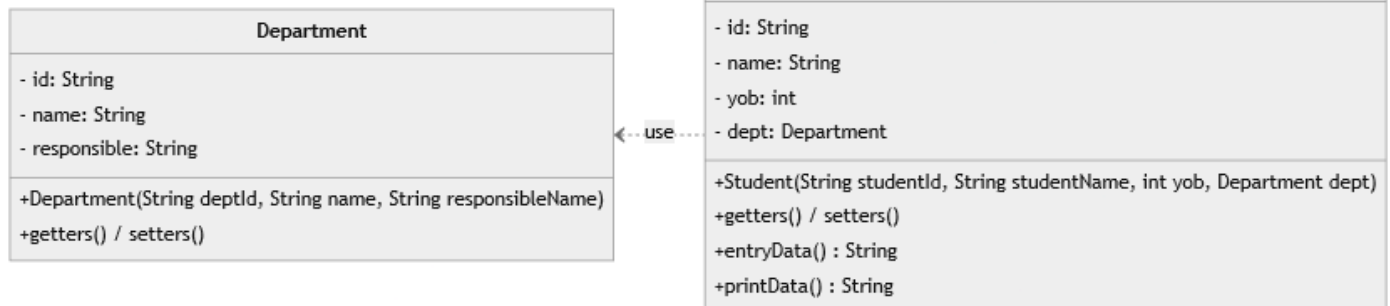
Tạo một project tên **Q1** và thực hiện cấu trúc nộp bài như sau:

```

solution.zip          // 5. Nén thư mục run & src, đặt tên solution.zip
├── run                // 4. Tạo thư mục run chứa file .jar
│   └── Q1.jar         // File jar đã đóng gói (Clean and Build)
└── src                // 3. Tạo thư mục src chứa Q1.zip
    ├── Q1.zip         // 2. Nén dự án Q1 tạo ra từ NetBeans
    ├── build          // 1. Các file trong dự án NetBeans
    ├── dist
    ├── nbproject
    ├── src
    ├── test
    ├── build.xml
    └── manifest.mf
    
```

Sau đó submit bài làm (file zip ở mục 5 bên trên) vào mục **Assignment/Lab05** trên EduNext.

Given this Class diagram



Create the two Classes named Department and Student as shown above.

- entryData(): return a string

Student idStudent - nameStudent - yob - Department(idDept - nameDept - responsibleName)

- printData(): return a string

idStudent - nameStudent - yob - Department(idDept - nameDept - responsibleName)

The input:

- The first line contains a positive integer T ($1 \leq T \leq 100$) which is the number of test case.
- The next T line contains:
 - Stud idSV nameSV yob idDept nameDept responsibleName**, when the line start with a string " **Stud** ", the program will add new Student to ArrayList (list) and print out the string **Student idStudent - nameStudent - yob - Department(idDept - nameDept - responsibleName)**
 - clear**, when the line contains only a string "**clear**", the program will remove all Student that have been added and print out the string "*** Remove all**".
 - Print**, when the line contains only a string "**Print**", the program will print out information of all Student as the sample.
 - Sort**, when the line contains only a string "**Sort**", the program will sort students in ascending order of yob and print out information of all Student as the sample.

Sample Input 1	
input	output
5 Print Stud SV01 Tung 2000 K01 CNTT An Stud SV02 Binh 2005 K02 QTKD Trung Clear Sort	---Print--- Empty Student SV01 - Tung - 2000 - Department(K01 - CNTT - An) Student SV02 - Binh - 2005 - Department(K02 - QTKD - Trung) ----- * Remove all ---Sort--- Empty

Sample Input 2	
input	output
9 Clear Stud SV01 Tung 2000 K01 CNTT An Stud SV02 Binh 2005 K02 QTKD Trung Print Clear Stud SV03 Lam 2005 K02 QTKD Trung Stud SV04 Tai 2000 K01 CNTT An Print Sort	----- * Remove all Student SV01 - Tung - 2000 - Department(K01 - CNTT - An) Student SV02 - Binh - 2005 - Department(K02 - QTKD - Trung) ---Print--- SV01 - Tung - 2000 - Department(K01 - CNTT - An) SV02 - Binh - 2005 - Department(K02 - QTKD - Trung) ----- * Remove all Student SV03 - Lam - 2005 - Department(K02 - QTKD - Trung) Student SV04 - Tai - 2000 - Department(K01 - CNTT - An) ---Print--- SV03 - Lam - 2005 - Department(K02 - QTKD - Trung) SV04 - Tai - 2000 - Department(K01 - CNTT - An) ---Sort--- SV04 - Tai - 2000 - Department(K01 - CNTT - An) SV03 - Lam - 2005 - Department(K02 - QTKD - Trung)

--- THE END ---