

Assessment 4 (Due: 15th May 2022, 11:55pm myT)

Task 1 (similar to section D in exam)

- ↳ code class shell
- ↳ declare instance variable → not under any methods
 - eg. private String name;
 - private int age;
 - private Position position;
 - public static enum Position { ACADEMIC_LECTURER, RESEARCH_LECTURER }
- ↳ with data type

Task 2

- ↳ non-default three-parameter constructor
 - ↳ for unit code, credit hour, offer faculty
- * still need initialised other 2 with sensible values
- * One constructor ONLY

Task 3

- ↳ getters for ALL instance variable (have 5)

Task 4

- ↳ setters for ALL instance variable (have 5)
- * all setters should return boolean
 - ↳ rules: description for task 1 instance variables

Task 5

- ↳ toString method
- * display exactly as example to gain marks
- eg. public String toString(){
 - String ret = " ";
 - ret += "Lecturer" + "\t";
 - ret += getName() + "/" + getAge();
 - return ret}

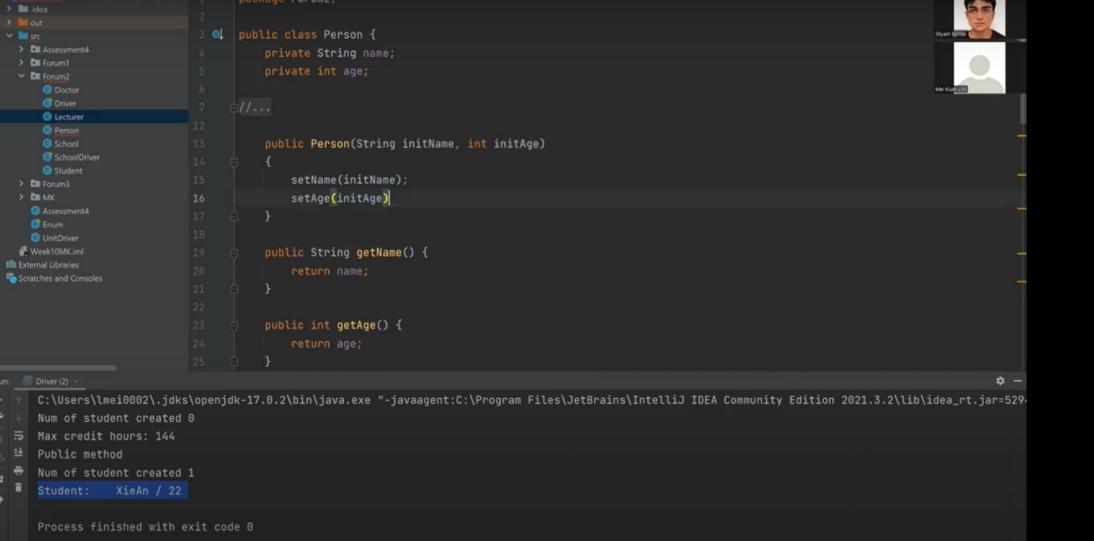
Task 6

- ↳ 2 parameters method ⇒ customCreditHour
 - ↳ unit code, number of credit hours
- ↳ customCreditHour only allow customization of units that does not start with "FIT" or error message will be prompted out (found in Ed)

Task 7

- ↳ main method code in UnitDrivers
 - ↳ test successful and unsuccessful attempts
 - ↳ instantiates Unit object
 - * display exactly as example to gain marks

Only way to create instance : 3-parameter constructor (Task 2)



The screenshot shows the IntelliJ IDEA interface with the following details:

- Project Structure:** The project is named "FORUM RECORDING WEEK 10_ ForumS2.mp4". The "src" directory contains packages like "Assessment&4", "Forum1", and "forum2". "forum2" contains classes "Doctor", "Driver", "Lecturer", and "Person". "Person.java" is open in the editor.
- Code Editor:** The code for the "Person" class is displayed. It includes fields for name and age, a constructor that initializes both, and methods to get each. The line `setAge(initAge)` is highlighted.
- Run Output:** The "Driver (2)" tab shows the command run: `C:\Users\lmei0002.jdk\openjdk-17.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.2\lib\idea_rt.jar=529,`. The output shows:
 - Num of student created 0
 - Max credit hours: 144
 - Public method
 - Num of student created 1
 - Student: XieAn / 22
- User Interface:** The top right shows a user profile for "Hamed Sharifi" and "Dylan Goh". The bottom right has a "Run" button and other tool icons.

The screenshot shows the IntelliJ IDEA interface with the following details:

- Project Structure:** The project is named "Week10MK". The "src" directory contains classes for "Assessment4", "Forum1", "Forum2", "Doctor", "Driver", "Lecturer", "Person", "School", "SchoolDriver", "Student", "Forum3", "MK", "Assessment4", "Enum", "UnitDriver", and "Week10MKImpl".
- Code Editor:** The code for the "Student" class is displayed. It includes methods for setting age and name, both of which return a boolean value indicating if the operation was successful.
- Terminal Output:** The terminal shows the command used to run the application and the resulting output:

```
C:\Users\lmei002\jdk\openjdk-17.0.2\bin\java.exe -javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3\lib\idea_rt.jar=529:localhost:63664
Num of student created 0
Max credit hours: 144
Public method
Num of student created 1
Student: XieAn / 22
```
- Run Tab:** Shows the process has finished with an exit code of 0.
- Top Bar:** Shows the title "FORUM RECORDING WEEK 10_ ForumS2.mp4", the file path "C:\Users\lmei002\Desktop\FIT105", and a message "Press Esc to exit full screen".
- User Interface:** On the right side, there is a video player showing a video titled "Weekend Video" by "Driver (2)". Below it, there are icons for "Driver", "XieAn", and "Mei Kui".