

How to use the last three weeks?

After today, there is no more examinable content to present for JP2

But there are still three more weeks of timetabled contact sessions!

Help me figure out how to use them

Revision sessions, past/sample papers, extra non-examinable content, preview of Semester 2, just cancel some sessions, ...

(I don't promise that I will directly follow the votes but your answers will help me decide!)

Vote here (will be open until Friday): <https://tinyurl.com/jp2-2020-endgame>

End-of-semester logistics

Written exam:

Will be taken online through Moodle – open-book (notes + Internet available)

Starting date and time provided on central University web page

Duration will be 2x “normal” duration – for JP2, this means **2 hours** (“normal” is 1hr)

Focus will be on **understanding of course concepts**

*Some questions might ask for code fragments but **don't worry about making any code compile!!!***

“Lab exam”:

Unseen coding task provided, limited time to prepare solution (details on timing by Friday)

Focus will be on **writing correct code**

Online resources are allowed but you must work on it **alone** – similarity checks will be carried out, and suspicious cases will be investigated

Today's topics

Annotations

Enumerated types

Immutable classes



Enumerations

Like a class with extra features

- Closed list of possible values

- Extra methods: **ordinal()**, **indexOf()**, **name()**, **valueOf()**, **values()**

Extra properties

- Can be used in **switch** statements

- Can be compared with **==**

Immutable classes

Basic property: state is completely set in constructor and can't be changed afterwards

Why is this useful?

- Multi-threaded contexts – no need for locking

- Keys for dictionary structures

- Saves memory in some cases (can re-use same String object, e.g.)

How to make a class immutable

- Make sure all fields are private and final; don't provide setters

- Make sure class can't be subclassed (declare **final**, or make constructor **private**)

- Also need to take care in constructor and getters! (Example coming)



Please vote in the poll

<https://tinyurl.com/jp2-2020-endgame>