

# Experiment Procedure

## Before the day

- ☐ Hang up sign outside the room
- ☐ Prepare consent forms and pens

## Before experiment

- ☐ Smalltalk with students
- ☐ For informed consent
  - ☐ Have everyone sign their name on an informed consent sheet
  - ☐ Give them one to take home
  - ☐ Ask if anyone has any questions left
- ☐ Ask student to open experiment website and do nothing else

## Experiment

- ☐ Ask students to put in their matriculation number as experiment id and not change the sequence
- ☐ Ask students to read consent and confirm if they are okay with it
- ☐ Go through prep
  - ☐ Open documentation in the background
  - ☐ Tell them about tasks
    - ☐ Goal is to bring the pipeline steps on the right in the right order, as they appear in the code
    - ☐ Submit steps once you are confident that your solution is correct
    - ☐ Favor correctness over time
  - ☐ Tell them about experiment flow
    - ☐ There will be a test task at the start
    - ☐ Languages will switch between Python and Jayvee, one of each
    - ☐ We will talk with you during the test task, afterwards no interaction
    - ☐ We will announce 10 minutes passed, 20 minutes passed, should be done / submit task 1 at 10 minutes, task 2 at 20 minutes latest
- ☐ Go to test task
  - ☐ Show students the flow
    - ☐ Read pipeline steps on the right
    - ☐ Click on reveal code once you have read the steps
    - ☐ See the code, bring steps into order in the top container
    - ☐ Once done, click on submit
    - ☐ Task done, relax a moment, do next task
  - ☐ After test task: Ask if there are any open questions, did the participant understand the task setup?
  - ☐ Tell students clearly that after they click submit, you will no longer interact with them until the end
  - ☐ Ask them to start

## After the experiment

- ☐ Thank the students
- ☐ Ask student to not share experiment setup with other students
- ☐ Ask if they have any questions