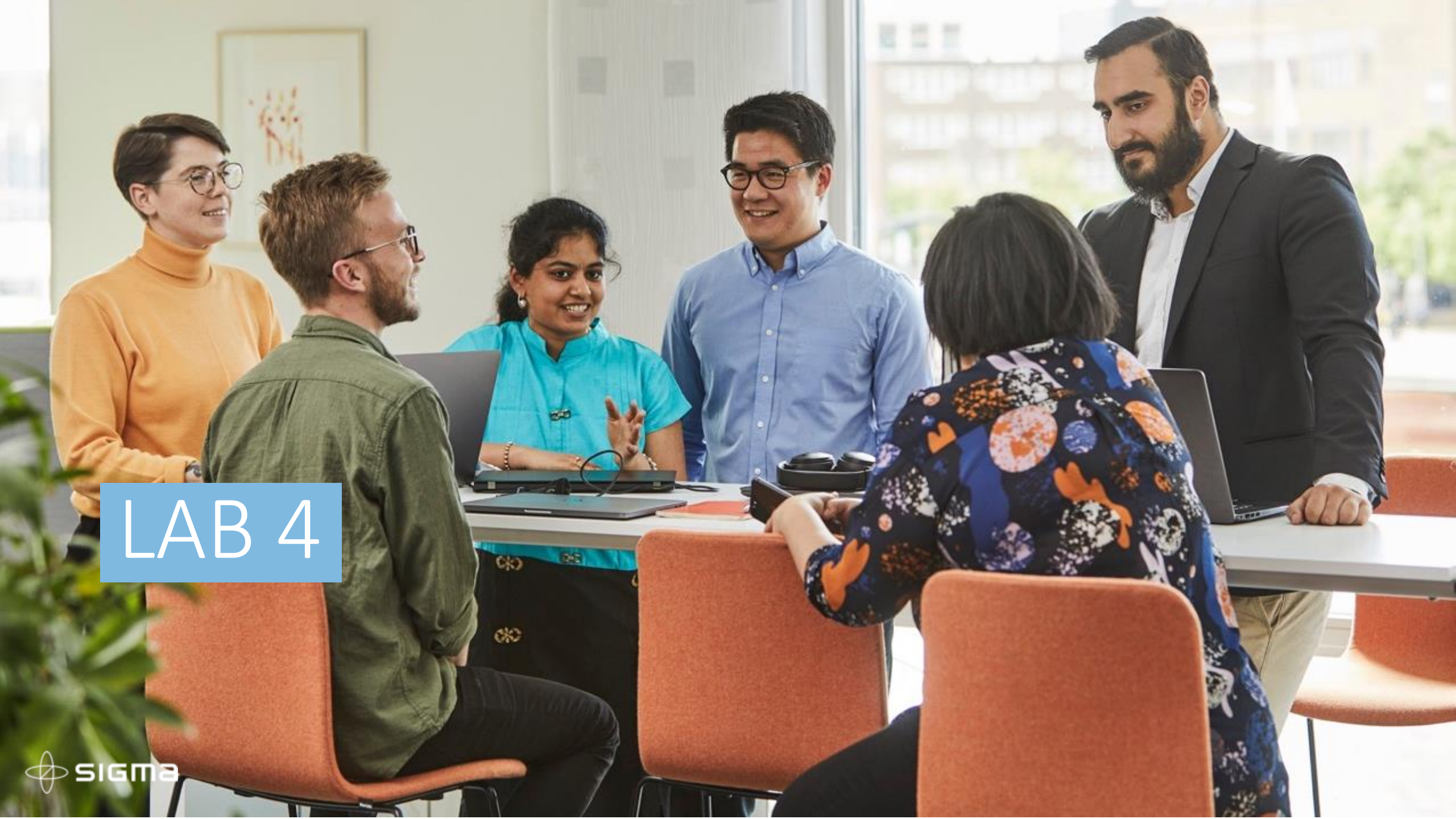
LAB 4

PURPOSE OF LAB

- Try out different forms of parallelism:
  - Run code snippet in parallel
  - Build one job in parallel

Remember that you have the cheatsheets if you need help or you can send a message to us. Labs and cheatsheets

NOTE: All exercises assume that you have gone through the presentation by David

RUN SNIPPET IN PARALLEL

- Create a Pipeline job called “Lab 4_1 <your name>”
- The job should be run manually
- The pipeline should have 3 stages:
  - Setup
    - Clone the repository https://github.com/dev4242/project-x/
  - Build
    - Test all the apps in parallel using a code snippet
  - Cleanup
    - Clean the workspace
- You will be using the parallel function for this: Parallel(). The examples are in declarative pipeline. Our solution is written with scripted pipelines. We suggest learning scripted pipeline but you can write this with declarative pipeline if you want to.

NOTE: For comparison, we have created a job that runs all the tests sequentially instead of parallel: Lab_4_Test_All_Apps_Sequentially
Try it out to compare the time it takes

BUILD ONE JOB IN PARALLEL

- Create a Pipeline job called “Lab 4_2 <your name>”
- The job should be run manually
- The pipeline should have 3 stages:
  - Setup
    - Clone the repository https://github.com/dev4242/project-x/
  - Build
    - Run the job “Lab2_2 Solution” for all applications in the repo with parameters for the test to be run.
      - Check so that the runs are run in parallel when you run this job as well.
  - Cleanup
    - Clean the workspace

NOTE: For comparison, we have created a job that runs all the tests sequentially instead of parallel: Lab_4_Test_All_Apps_Sequentially
Try it out to compare the time it takes