

# Worksheet #1

**Honor Code Policy for Worksheets:** You are free to discuss all aspects of in-class worksheets with your other classmates, the teaching assistants and the professor. You can work in a group and write down the solution that you obtained as a group. If you use any material from external sources, you must provide proper attribution. You should submit the worksheet in Canvas.

## 1) Parallelizing your weekday/weekend tasks!

Consider the sequential list of weekday/weekend tasks below. Assume that you have an unbounded number of helpers to help you with your chores and tasks. Insert `async` and `finish` pseudocode annotations to maximize parallelism, while ensuring that the parallel version has no unintended/undesirable outcomes. Make any reasonable assumptions e.g., you only have one fridge, you need to watch videos in order, you have access to multiple washers & dryers, you can reorder statements so long as you don't change the outcome, etc.

Watch COMP 322 video for topic 1.2 by 1:30pm on Wednesday

Watch COMP 322 video for topic 1.3 by 1:30pm on Wednesday

Make your bed

Clean out your fridge

Buy food supplies and store them in fridge

Run load 1 in washer

Run load 2 in washer

Run load 1 in dryer

Run load 2 in dryer

Call your family

Post on Facebook that you're done with all your tasks!

