

# Parallelism in Julia Spoke 18.S192

## Homework 0

April 2, 2025

Due Monday April 7, 2025 @ 11:59PM

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Please submit a PDF of your answers on Canvas. This homework is graded.

1. **Apply for a NERSC account.** This class will use the supercomputer Perlmutter hosted at the National Energy Research Scientific Computer Center (NERSC). NERSC currently requires an application for training accounts. Please fill out that application here: <https://forms.gle/JqEjSqa9kwdrHGi19>. **You MUST use your MIT email for this process.**  
Do not wait for a response to submit the homework.
2. What are the specifications of your laptop? Include both CPU and GPU specifications if available. (Come to office hours if you need assistance with this).
3. In Julia run the code `cumsum(1:10)`. Next try `accumulate(*, 1:10)`, which is a generalized version of `cumsum`. Implement a simple version of `accumulate` in serial Julia code.