# CLab 3: Scheduling

**DUE by next class**

Write your answers in `README.md`. Create a `COLLAB.md` file to keep track of any outside resources you might use. Be sure to push to the repo after class (even if you are not done).

Answer the following questions from the textbook using the `scheduler.py` python program in ostep-homework.

1. Compute the response time and turnaround time when running three jobs of length 200 with the SJF and FIFO schedulers.

2. Now do the same but with jobs of different lengths: 100, 200, and 300.

3. Now do the same, but also with the RR scheduler and a time-slice of one.

4. For what types of workloads does SJF deliver the same turnaround times as FIFO?

5. For what types of workloads and quantum lengths does SJF deliver the same response times as RR?

6. What happens to response time with SJF as job lengths increase? Can you use the simulator to demonstrate the trend?

7. What happens to response time with RR as quantum lengths in- crease? Can you write an equation that gives the worst-case re- sponse time, given N jobs?