

# Discussion 2/8/19

# Scheduling Algorithms

First Come First Served - Run each process to completion in FIFO order

Priority Scheduling - Run the process based on assigned priorities

Shortest Job First - Run the process predicted to stop/block the soonest

Guaranteed Scheduling -  $N$  processes get  $1/N$  processing time

Fair Share -  $N$  users get  $1/N$  processing time

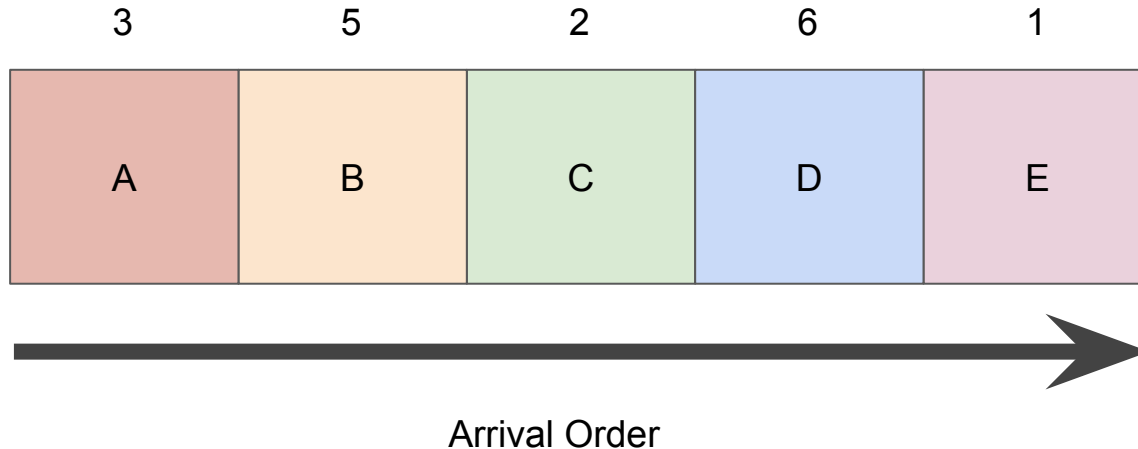
Lottery Scheduling - Random!

# Scheduling

- What is turnaround time? Average turnaround time?
  - Time from job submission to job completion
  - Average of all turnaround times for a set of jobs
- What is throughput?
  - Number of jobs completed per unit time

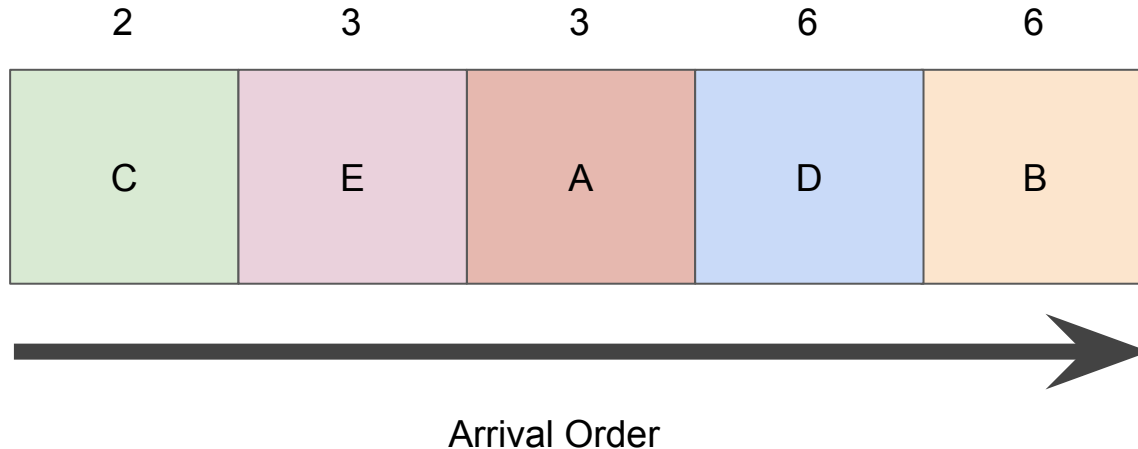
# Example #1

- Given the below processes, schedule them using SJF and FCFS. What order do they finish in? Turnaround for each process? Average turnaround? Throughput?



## Example #2

- Given the below processes, schedule them using SJF and FCFS. What order do they finish in? Turnaround for each process? Average turnaround? Throughput?



Quiz Time!!!

