

# Cognitive Robotics Assignment 3

## Robot Manipulation

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### Team Meetings

Date	Time	Duration	Attendees	Topics	Actions	Action sharing
Mar 5th	09:00	3 hours	Aristide, JB, Kleber	Plan; book time with Vinny for help at 13:00	1. Read the assignment 2. Update the simulator 3. Build and run the sample program 4. Customize the sample program and run	Aristide: all actions JB: all actions Kleber: all actions
Mar 5th	13:00	1 hour	Aristide, Kleber, Vinny	Debugging	1. Installing ros-kinetic-genpy 2. Build and run the sample and customized programs	Aristide: all actions JB: all actions (later separately) Kleber: all actions Vinny: help with debugging gazebo
Mar 11th	22:30	3 hours	Aristide, JB, Kleber	Translation and rotation movements of the robot arm	1. Read the assignment 2. Pull updated coro_examples git repo 3. Set input file to 3 bricks example 4. Adapt the program for 3 bricks and run	Aristide: all actions JB: all actions Kleber: all actions
Mar 13th	22:00	2 hours	Aristide, JB, Kleber	Random test cases and how that may require knowing the robot arm's work region; gazebo might be buggy (unexpected behavior on clicking reset and re-running our solution without restarting gazebo)	1. Observe performance on 3 bricks 2. Compare with professor's solution-demo shown in class 3. Test on data with permuted bricks positions and destination position	Aristide: all actions JB: all actions Kleber: all actions

\* We spent some time on WhatsApp communicating about the logistics and progress of the assignment. We also used git to make collaboration and keeping track of our work easier.