HRW ROS Assignment 2 Week 4 Part 1

To complete the assignment follow this steps:

1. Open a new CCS and source the workspace setup files. Start the factory simulation for week 4 with:

   `$ roslaunch hrwros_week4 hrwros_week4_environment.launch`

2. Outside the CCS, in your favorite editor, modify the file named `week4_assignment2_script` that you will find in the `$HOME/hrwros_ws/src/hrwros_week4/scripts` folder.

3. Using the instructions of module 4.4, add a sequence of MoveIt! Commander instructions such that the robot2 executes the following motions:

   (a) The robot2 goes to the R2Home configuration

   (b) The robot2 goes to the R2PreGrasp configuration.

   (c) The end effector of robot2 moves linearly down by 0.1m.

   (d) The robot2 goes to the R2Place configuration.

   (e) The end effector of robot2 moves linearly down by 0.2m.

4. Then, start MoveIt! commander with the following command in the same file path where you created your script, that is:

   `$ roscd hrwros_week4/scripts`

   `$ rosrun hrwros_week4 hrwros_moveit_commander_cmdline`

5. And then you can run your script on the MoveIt! commander prompt that shows up.

   `> load week4_assignment2_script`

This concludes HRW ROS Assignment 2 Week 4