Part 2 -- ROS Assignment

GitHub link for all the codes can be found here

Screen shot of the server and client pair. Top terminal is server and bottom terminal is client

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Wed 14 Sept 6:02 PM
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                          root@73cd78f8c05d: ~/ros2test/HW1/src/cpp_srvcli/src
 root@73cd78f8c05d: ~/ros2test/HW1/src/cpp_srvcli/src (com.docker.cli)
-rw-r--r-- 1 root root 975 Sep 14 17:48 add_two_ints_server.cpp
→ ros2test/HW1/src/cpp_srvcli/src main x vim ../CMakeLists.txt
add_three_ints_client.cpp add_three_ints_server.cpp add_two_ints_client.cpp add_two_ints_server.cpp
Press ENTER or type command to continue
→ ros2test/HW1/src/cpp_srvcli/src main x ros2 run force_pubsub force_server
Package 'force_pubsub' not found
→ ros2test/HW1/src/cpp_srvcli/src main x rbe450
→ ros2test/HW1/src/cpp_srvcli/src main x ros2 run force_pubsub force_server
[INFO] [1663192868.411174800] [rclcpp]: Ready to add two forces.
[INFO] [1663192869.910149000] [rclcpp]: Incoming request
f1:Vec[ x[1] y[2] z[3] ] f2:Vec[ x[3] y[4] z[5] ]
[INFO] [1663192869.910323700] [rclcpp]: sending back response:Vec[ x[4] y[6] z[8] ]
[INFO] [1663192878.053636800] [rclcpp]: Incoming request
f1:Vec[ x[1] y[2] z[3] ] f2:Vec[ x[3] y[4] z[5] ]
[INFO] [1663192878.053789800] [rclcpp]: sending back response:Vec[ x[4] y[6] z[8] ]
x root@73cd78f8c05d: ~/ros2test (com.docker.cli)
[INFO] [1663192857.335632000] [rclcpp]: service not available, waiting again...
[INFO] [1663192858.336616600] [rclcpp]: service not available, waiting again... [INFO] [1663192859.337014500] [rclcpp]: service not available, waiting again...
[INFO] [1663192860.342681600] [rclcpp]: service not available, waiting again...
[INFO] [1663192861.361984100] [rclcpp]: service not available, waiting again.
[INFO] [1663192862.366231800] [rclcpp]: service not available, waiting again.
[INFO] [1663192863.369668000] [rclcpp]: service not available, waiting again...
[INFO] [1663192864.373525300] [rclcpp]: service not available, waiting again...
[INFO] [1663192865.374044200] [rclcpp]: service not available, waiting again...
[INFO] [1663192866.374580800] [rclcpp]: service not available, waiting again...
[INFO] [1663192867.375514300] [rclcpp]: service not available, waiting again...
[INFO] [1663192868.376458500] [rclcpp]: service not available, waiting again...
[INFO] [1663192869.377197600] [rclcpp]: service not available, waiting again...
[INFO] [1663192876.140681700] [rclcpp]: service not available, waiting again...
[INFO] [1663192877.142603300] [rclcpp]: service not available, waiting again...
```

Assuming that object has to be moved by a distance of 0.015m



