

ROS Documentation Task – 1

Sources:

http://wiki.ros.org/rospy_tutorials/Tutorials/WritingPublisherSubscriber

<http://wiki.ros.org/ROS/Tutorials/CreatingPackage>

- Created a workspace named task_ws
- cd to the {workspace}/src and created a package called stringtask using catkin_create_pkg command with dependencies std_msgs rospy.
- updated the Cmake file accordingly.
- added the talker.py and listener.py as executables
- Results:

```
swaminathan@swaminathan-ASUS-TUF-Dash-F15-FX517ZM-FX517ZM:~/Workspaces/task_ws/src$ ls
CMakeLists.txt  stringtask
swaminathan@swaminathan-ASUS-TUF-Dash-F15-FX517ZM-FX517ZM:~/Workspaces/task_ws/src$ source ../devel/setup.bash
swaminathan@swaminathan-ASUS-TUF-Dash-F15-FX517ZM-FX517ZM:~/Workspaces/task_ws/src$ cd ..
swaminathan@swaminathan-ASUS-TUF-Dash-F15-FX517ZM-FX517ZM:~/Workspaces/task_ws$
rosrun stringtask talker.py
[INFO] [1693161688.515805]: hello world 1693161688.5156827
[INFO] [1693161688.616446]: hello world 1693161688.6160886
[INFO] [1693161688.716602]: hello world 1693161688.7161427
[INFO] [1693161688.816461]: hello world 1693161688.816089
[INFO] [1693161688.916590]: hello world 1693161688.9161305
```

```
swaminathan@swaminathan-ASUS-TUF-Dash-F15-FX517ZM-FX517ZM:~/Workspaces$ cd task_ws/
swaminathan@swaminathan-ASUS-TUF-Dash-F15-FX517ZM-FX517ZM:~/Workspaces/task_ws$ cd src
swaminathan@swaminathan-ASUS-TUF-Dash-F15-FX517ZM-FX517ZM:~/Workspaces/task_ws/src$ source ../devel/setup.bash
swaminathan@swaminathan-ASUS-TUF-Dash-F15-FX517ZM-FX517ZM:~/Workspaces/task_ws/src$ cd ..
swaminathan@swaminathan-ASUS-TUF-Dash-F15-FX517ZM-FX517ZM:~/Workspaces/task_ws$
rosrun stringtask listener.py
[INFO] [1693161811.117742]: /listener_55516_1693161810924I heard hello world 1693161811.1131148
[INFO] [1693161811.218261]: /listener_55516_1693161810924I heard hello world 1693161811.2132034
[INFO] [1693161811.317627]: /listener_55516_1693161810924I heard hello world 1693161811.3130918
[INFO] [1693161811.417616]: /listener_55516_1693161810924I heard hello world 1693161811.413104
[INFO] [1693161811.518150]: /listener_55516_1693161810924I heard hello world 1693161811.5131862
```

Errors and Fixes:

None