

CSE 468/568 Assignment 3

ROS Publisher

The objective of this assignment is to get started with robot simulation in ROS, and build a publisher that publishes data input-ed by the user. Before you get started, please make sure you have completed the following:

- ROS tutorials 1 through 12 (in Section 1.1 Beginner)

Create package

Create a package named `lab3` that depends on `std_msgs` `rospy` `roscpp`.

Publisher

Create a node that takes an input(string type) from the user and publishes a topic, "lab3.topic". We will echo that topic from command-line or subscribe to it from our script.

Submission Instructions

Your lab3 working directory should be:

`/home/robot/catkin_ws/src/lab3`

Your file should be located at `catkin_ws/src/lab3/src/lab3.py` (or `lab3.cpp`)

You will submit `lab3.zip`, a compressed archive file containing the `lab3` folder. The folder should at least contain `CMakeLists.txt` and `package.xml`. The folder should compile if we drop it into our catkin workspace and call `catkin_make`. Please take care to follow the instructions carefully so we can script our tests. Please use UB Learns for submission. Submission should be a single ZIP file. Files of other types (RAR, TAR, GZ, etc.) will not be accepted.

The assignment is due Sunday, February 27 before 11:55pm.