What is the first command you must run in ROS?

roscore: roscore is a collection of nodes and programs, the prereqs for ros systems. Roscore needs to be run first in order for ros nodes to be able to communicate

What is the command to run the Turtlesim simulator?

rosrun turtlesim _____ (fill in with the application you want to run in the package)

What is the command to find the list of all ROS nodes?

rosnode list

What is the command to find the list of all ROS topics?

rostopic list

What is the topic that tells about the position of the turtle?

turtle1/pose

To find more info about it rostopic info /turtle1/pose

What is the topic that sends command to the turtle to make it move?

turtle1/cmd_vel

Use rosrun turtlesim turtlebot_teleop_key,a node that publishes cmd_vel topic based off arrow keys to make the turtle move

What is the command that tells you information about the topic about velocity?

rostopic info /turtle1/cmd_vel

What is the node used to publish velocity commands to the turtle?

The node is /turtlesim

rostopic pub [topic] [msg_type] [args]

What is the node used to subscribe to velocity commands to the turtle?

The node is /turtlesim

What is the command that allows to see the type of message for velocity topic?

rostopic type /turtle1/cmd_vel

What is the content of the velocity message? Explain its content.

Contains linear and angular velocities in the x, y, z coordinates

What is the content of the position message? Explain its content

contains the x and y positions and theta for orientation. Linear and angular velocities are also calculated.