


```

rate = rospy.Rate(10);
    # 10 Hz is fine as long as the processing does not exceed
# 1/10 second.
rospy.loginfo(" Set rate 10Hz")
# Twist is geometry_msgs for linear and angular velocity
move_cmd = Twist()
    # Linear speed in x in meters/second is + (forward) or
# - (backwards)
move_cmd.linear.x = 0.5    # Modify this value to change speed
    # Turn at 0.5 radians/s
move_cmd.angular.z = 0.5
# Modify this value to cause rotation rad/s

    # Loop and Turtlesim will move until you type CNTL+c
while not rospy.is_shutdown():
    # publish Twist values to the Turtlesim node /cmd_vel
self.cmd_vel.publish(move_cmd)
    # wait for 0.1 seconds (10 HZ) and publish again
rate.sleep()

```

```

def shutdown(self):
    # You can stop turtlesim by publishing an empty Twist message
rospy.loginfo("Stopping Turtlesim")

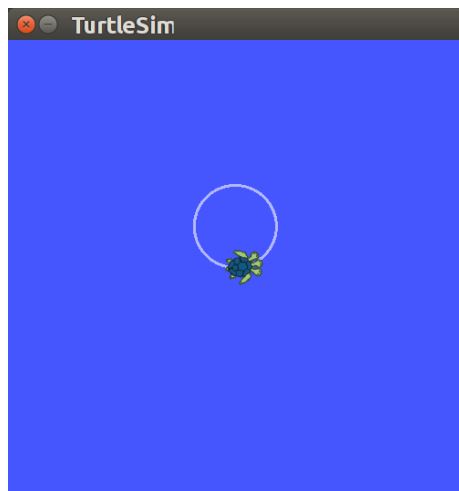
self.cmd_vel.publish(Twist())
    # Give Turtlesim time to stop
rospy.sleep(1)

```

```

if __name__ == '__main__':
    try:
        ControlTurtlesim()
    except:
        rospy.loginfo("End of the trip for Turtlesim")

```



Ok to

Kill Poor Turtle Now

Let's try TurtleBot Remap /turtle1/cmd_vel To cmd_vel_mux/input/navi (Book Page103)

Terminal 1

```
harman@D104-45931:~/Desktop$ roslaunch turtlebot_gazebo turtlebot_world.launch
```

Terminal 2

```
harman@D104-45931:~$ cd Desktop/Turtlebot_Python_Scripts/
```

```
harman@D104-45931:~/Desktop$ ls | grep py
```

```
go_in_circleTurtlesim.py
```

Use Turtlesim Code Remapped

```
harman@D104-45931:~/Desktop/Turtlebot_Python_Scripts$ python go_in_circleTurtlesim.py  
/turtle1/cmd_vel:=cmd_vel_mux/input/navi
```

```
[INFO] [1538268848.480240, 0.000000]: Press CTRL+c to stop Turtlesim
```

```
[INFO] [1538268848.482112, 0.000000]: Set rate 10Hz
```

```
^C[INFO] [1538268860.883950, 178.170000]: Stopping Turtlesim
```

```
[INFO] [1538268862.013880, 179.170000]: End of the trip for Turtlesim
```

