#!/usr/local/bin/python3.7

#Here is some basic serial communication stuff in Python. Feel free to copy this and use it as a base for other stuff, but please don't edit this file directly.

#Import the serial library

import serial

from time import sleep

#arduino movement command functions. These just send different signals.

def left(ser):

ser.write(str.encode('1'))

def right(ser):

ser.write(str.encode('2'))

def up(ser):

ser.write(str.encode('3'))

def down(ser):

ser.write(str.encode('4'))

#...so on and so forth

#create the serial object thing to the system arduino file

ser = serial.Serial('/dev/ttyACM0')

#call whatever functions you want

while True:

#call the function to send a '1'

left(ser)

#wait a second

sleep(1)

#call the functino to send a '2'

right(ser)

#wait another second

sleep(1)

#reset the input buffer. Sometimes this is necessary, and sometimes it doesn't seem to be.

ser.reset\_input\_buffer()