import PDALib2 as hobbit

import jsLib

import time

hobbit.RoboPiInit("/dev/ttyAMA0",115200)

js = jsLib.joystick()

js.Init("/dev/input/js0")

print "Device is: ",js.Name()

hobbit.motors()

hobbit.pinMode(0,hobbit.SERVO)

hobbit.servoWrite(0,1500)

lfrac = 1

rfrac = 1

while 1:

got = js.Read()

if got[0] == "LY":

speed = int(got[1]\*-255)

hobbit.writeMotors(speed,speed)

elif got[0] == "RX":

steer = got[1]

print "right joystick X = ",steer

if steer < -0.9:

hobbit.writeMotors(-speed,speed)

elif steer < -0.1:

hobbit.writeMotors(0,speed)

elif steer > 0.9:

hobbit.writeMotors(speed,-speed)

elif steer > 0.1:

hobbit.writeMotors(speed,0)

else:

hobbit.writeMotors(speed,speed)