from pyax12.connection import Connection

import time

# Connect to the serial port

serial\_connection = Connection(port='COM3', baudrate=1000000)

dynamixel\_id =4 #eye yaw

dynamixel\_id\_2 =30 #torso

dynamixel\_id\_3 =13 #neck

dynamixel\_id\_4 =40 #eye pitch

dynamixel\_id\_5 = 6 #neck pitch

dynamixel\_id\_6 =5 #left eyelid pitch

dynamixel\_id\_7 =7 #right eyelid pitch

# Go to +10° (moves eyes to the right)

serial\_connection.goto(dynamixel\_id, 13, speed=75, degrees=True)

serial\_connection.goto(dynamixel\_id\_3, 150, speed=80, degrees=True)

serial\_connection.goto(dynamixel\_id\_4, -70, speed=75, degrees=True)

serial\_connection.goto(dynamixel\_id\_5, 10, speed=75, degrees=True)

time.sleep(3) # Wait 1 second

# Go to -45° (-45° CCW)

serial\_connection.goto(dynamixel\_id, 0, speed=75, degrees=True)

serial\_connection.goto(dynamixel\_id\_3, 75, speed=80, degrees=True)

serial\_connection.goto(dynamixel\_id\_4, -90, speed=75, degrees=True)

serial\_connection.goto(dynamixel\_id\_5, 0, speed=75, degrees=True)

time.sleep(.35) # Wait 1 second