import sys

import urllib2

def barcode\_reader():

hid = {4: 'a', 5: 'b', 6: 'c', 7: 'd', 8: 'e', 9: 'f', 10: 'g', 11: 'h', 12: 'i', 13: 'j', 14: 'k', 15: 'l', 16: 'm',

17: 'n', 18: 'o', 19: 'p', 20: 'q', 21: 'r', 22: 's', 23: 't', 24: 'u', 25: 'v', 26: 'w', 27: 'x', 28: 'y',

29: 'z', 30: '1', 31: '2', 32: '3', 33: '4', 34: '5', 35: '6', 36: '7', 37: '8', 38: '9', 39: '0', 44: ' ',

45: '-', 46: '=', 47: '[', 48: ']', 49: '\\', 51: ';', 52: '\'', 53: '~', 54: ',', 55: '.', 56: '/'}

hid2 = {4: 'A', 5: 'B', 6: 'C', 7: 'D', 8: 'E', 9: 'F', 10: 'G', 11: 'H', 12: 'I', 13: 'J', 14: 'K', 15: 'L', 16: 'M',

17: 'N', 18: 'O', 19: 'P', 20: 'Q', 21: 'R', 22: 'S', 23: 'T', 24: 'U', 25: 'V', 26: 'W', 27: 'X', 28: 'Y',

29: 'Z', 30: '!', 31: '@', 32: '#', 33: '$', 34: '%', 35: '^', 36: '&', 37: '\*', 38: '(', 39: ')', 44: ' ',

45: '\_', 46: '+', 47: '{', 48: '}', 49: '|', 51: ':', 52: '"', 53: '~', 54: '<', 55: '>', 56: '?'}

number = open('/dev/hidraw1', 'rb')

barcode = ""

shift = False

done = False

while not done:

data = number.read(12)

for code in data:

if ord(code) > 0:

if int(ord(code)) == 40:

done = True

break;

if shift:

if int(ord(code)) == 2:

shift = True

else:

barcode += hid2[int(ord(code))]

shift = False

else:

if int(ord(code)) == 2:

shift = True

else:

barcode += hid[int(ord(code))]

return barcode

def UPC\_lookup(upc):

print("-----" \* 5)

print(upc)

print("-----" \* 5 + "\n")

request = urllib2.urlopen("http://contraptions.in/projects/sr18296\_iot\_barcode\_parts/getVariables.php?part\_code>" + upc + "=1")

response = request.read().strip()

if response:

request = urllib2.urlopen("http://contraptions.in/projects/sr18296\_iot\_barcode\_parts/getVariables.php?part\_code>" + upc + "=1")

part\_code = request.read().strip()

print("PART CODE\t\t:"+ part\_code + "\n")

request = urllib2.urlopen("http://contraptions.in/projects/sr18296\_iot\_barcode\_parts/getVariables.php?part\_description>" + upc + "=1")

part\_description = request.read().strip()

print("DESCRIPTION\t\t:"+ part\_description + "\n")

request = urllib2.urlopen("http://contraptions.in/projects/sr18296\_iot\_barcode\_parts/getVariables.php?part\_uom>" + upc + "=1")

part\_uom = request.read().strip()

print("PART UOM\t\t:"+ part\_uom + "\n")

request = urllib2.urlopen("http://contraptions.in/projects/sr18296\_iot\_barcode\_parts/getVariables.php?quantity>" + upc + "=1")

quantity = request.read().strip()

print("QUANTITY\t\t:"+ quantity + "\n")

request = urllib2.urlopen("http://contraptions.in/projects/sr18296\_iot\_barcode\_parts/getVariables.php?part\_condition>" + upc + "=1")

part\_condition = request.read().strip()

if part\_condition == "1":

part\_condition\_text = "GOOD PART"

elif part\_condition == "0":

part\_condition\_text = "BAD PART"

print("PART CONDITION\t\t:"+ part\_condition\_text + "\n")

urllib2.urlopen("http://contraptions.in/projects/sr18296\_iot\_barcode\_parts/setVariables.php?last\_scanned\_part=" + upc)

urllib2.urlopen("http://contraptions.in/projects/sr18296\_iot\_barcode\_parts/setVariables.php?keywords>refresh=1&last\_scanned\_part\_validation=" + part\_condition)

if \_\_name\_\_ == '\_\_main\_\_':

try:

while True:

UPC\_lookup(barcode\_reader())

except KeyboardInterrupt:

pass