

# APPENDIX

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#!/usr/bin/env python3
import sys
import time
import threading
import logging
from ev3dev2.motor import MediumMotor, OUTPUT_B
from ev3dev2.sensor import INPUT_3
from ev3dev2.sensor.lego import ColorSensor
from ev3dev2.sensor import INPUT_1
from ev3dev2.sensor.lego import TouchSensor

def debug_print(*args, **kwargs):
    """print debug message to stderr.
    This shows up in the output panel in VS code.
    """
    print(*args, **kwargs, file=sys.stderr)

cs=ColorSensor(INPUT_3);
ts1=TouchSensor(INPUT_1);
m=MediumMotor(OUTPUT_B);
m.run_forever(speed_sp=80);

while True:
    if ts1.is_pressed:
        m.stop();
        if ts1.is_pressed:
            m.run_forever(speed_sp=80);

    #m.run_forever(speed_sp=80);
    if (cs.color>0):
        time.sleep(0.4);
        m.run_forever(speed_sp=0);
        print(cs.color_name);
        debug_print(cs.color_name);
        time.sleep(3);
        m.run_forever(speed_sp=80);
        time.sleep(2);
    else:
        continue;
    debug_print(cs.color_name)
```