

```
1 from machine import Pin, I2C, Timer
2 from board import *
3 from bno055 import BNO055 # IMU
4
5 from drv8833 import DRV8833 # your implementation
6 from motor import PIDMotor # your implementation, make sure this is named right!
7 from encoder import Encoder # your implementation, don't forget clear_count
8 from balance import Balance
9
10 import gc # for garbage collection methods
11
12 i2c = I2C(0, sda=23, scl=22, freq=12500)
13 imu = BNO055(i2c)
14
15 accel = imu.accelerometer()
16 alpha = 90 - math.asin(accel/9.8)
17 actual = imu.euler()
18
19 print(alpha)
20 print(actual)
21
```