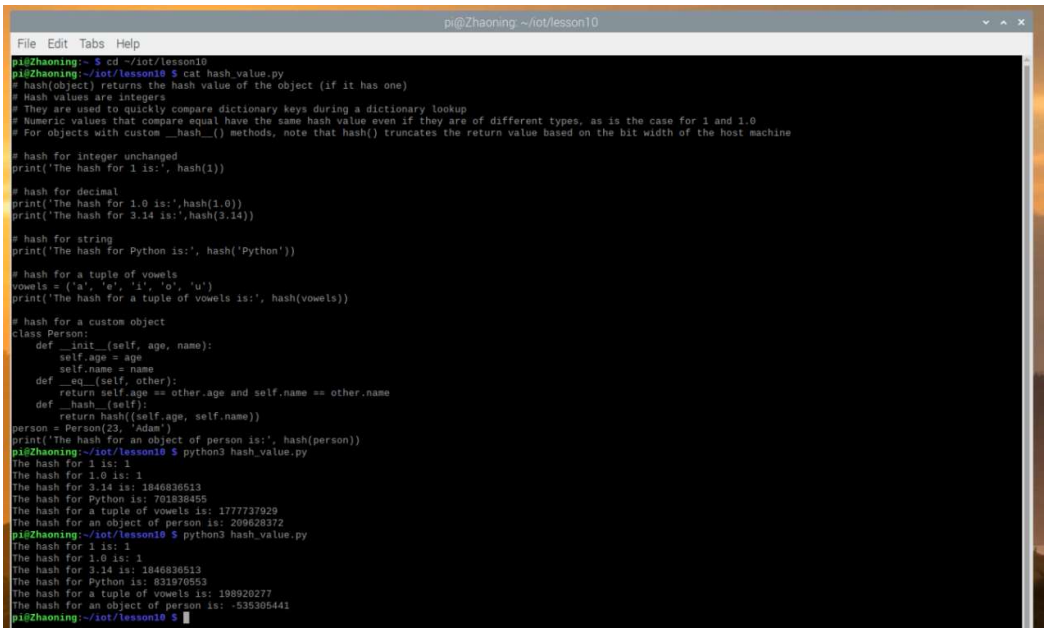
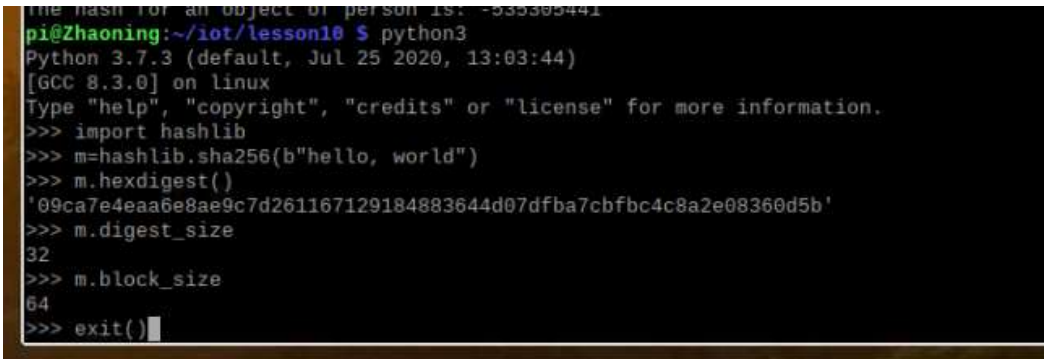
Lab 10A: Blockchain

Hash function with randomization

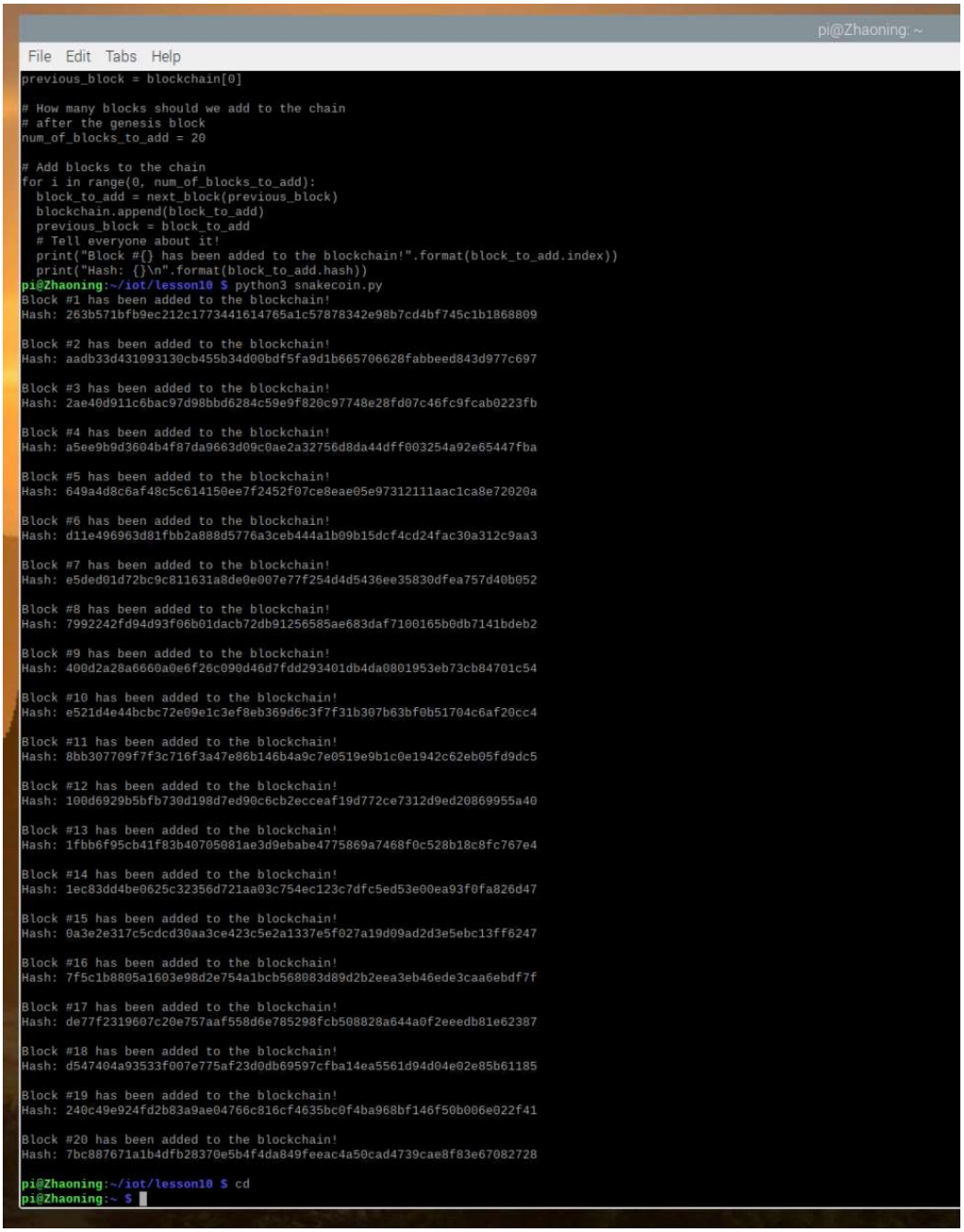


SHA-2 Secure Hash Algorithm



Build the tiniest blockchain in less than 50 lines of Python

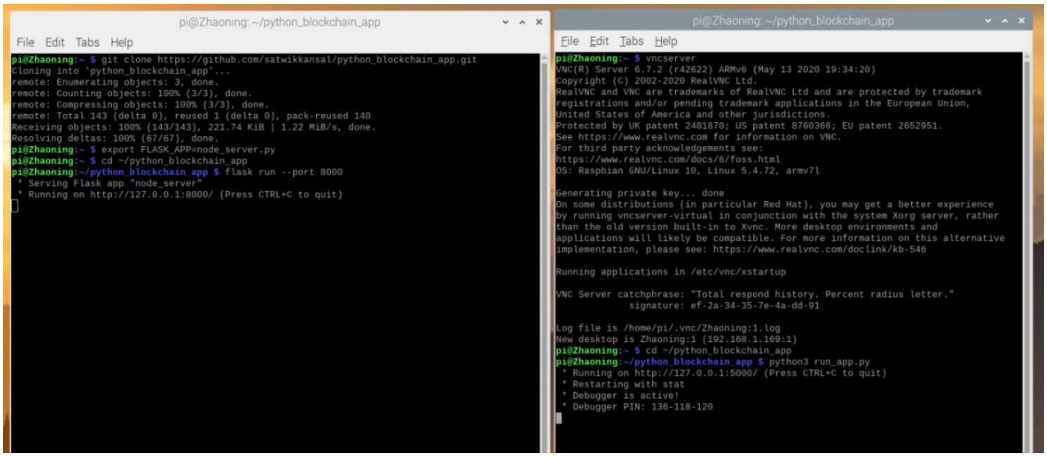
by Gerald Nash



Python blockchain app by [Satwik Kansal]

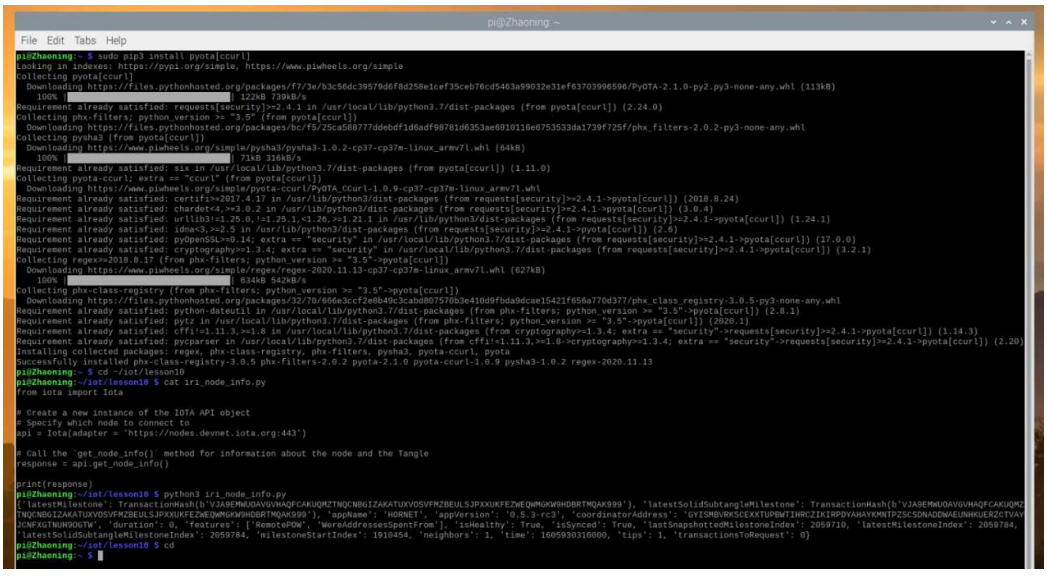
Terminal 1: Run node_server.py

Terminal 2: Run run_app.py

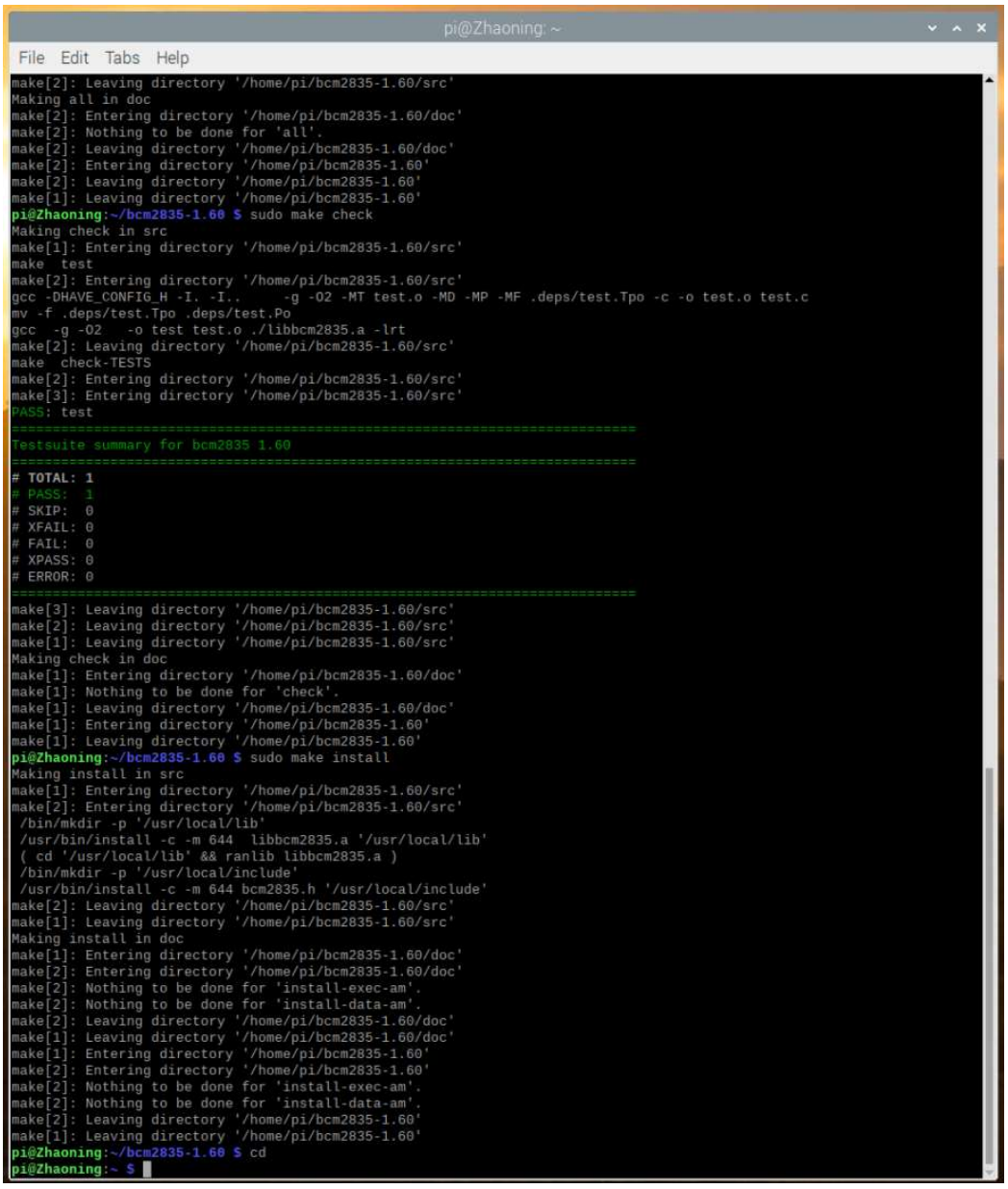


Lab 10B: IOTA

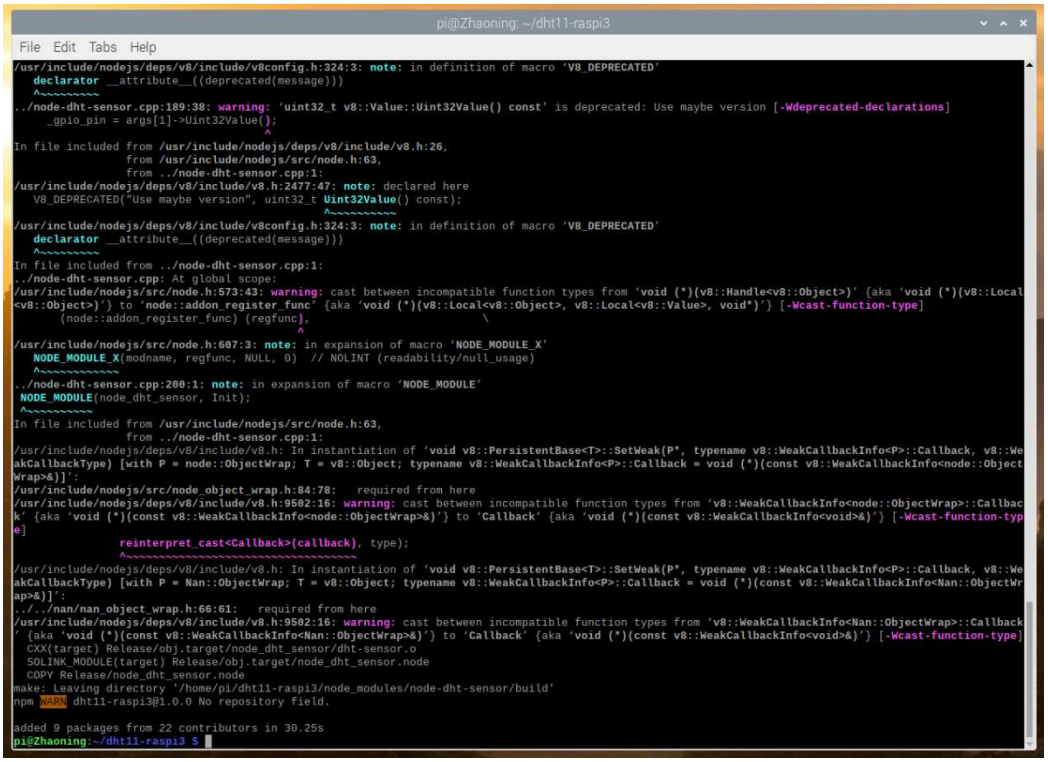
[PyOTA] (IOTA Python Client Library) and [IRI] (IOTA Reference Implementation)



Download and build the C library for BCM2835

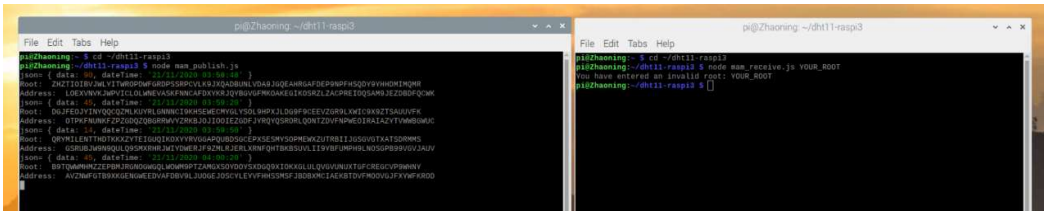


Clone the code repository

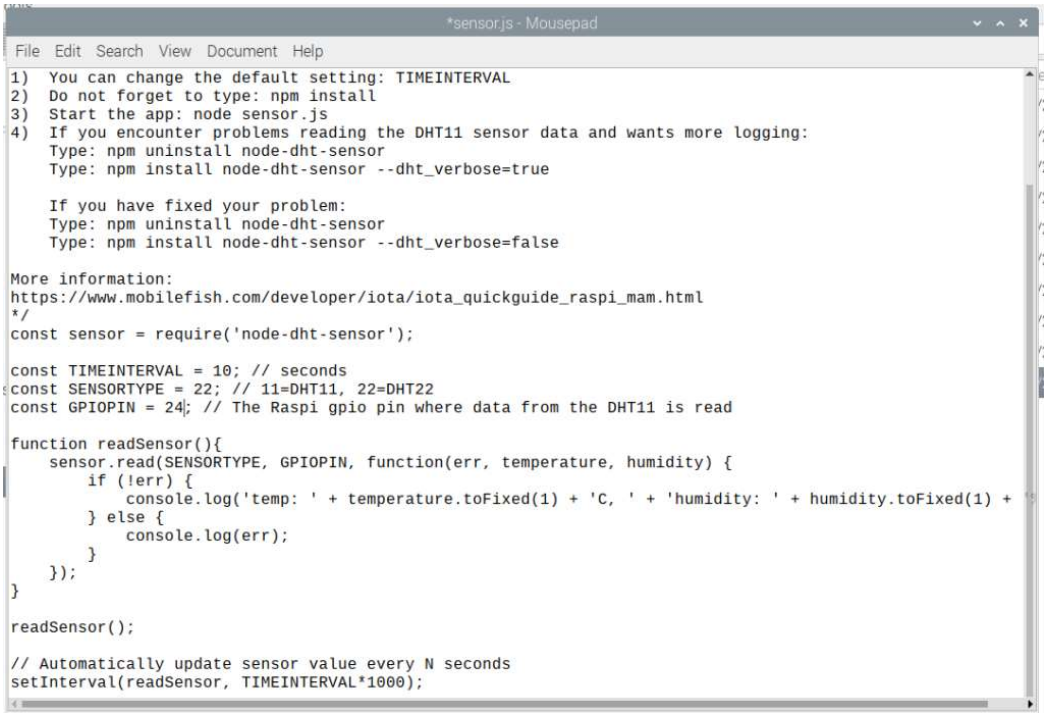


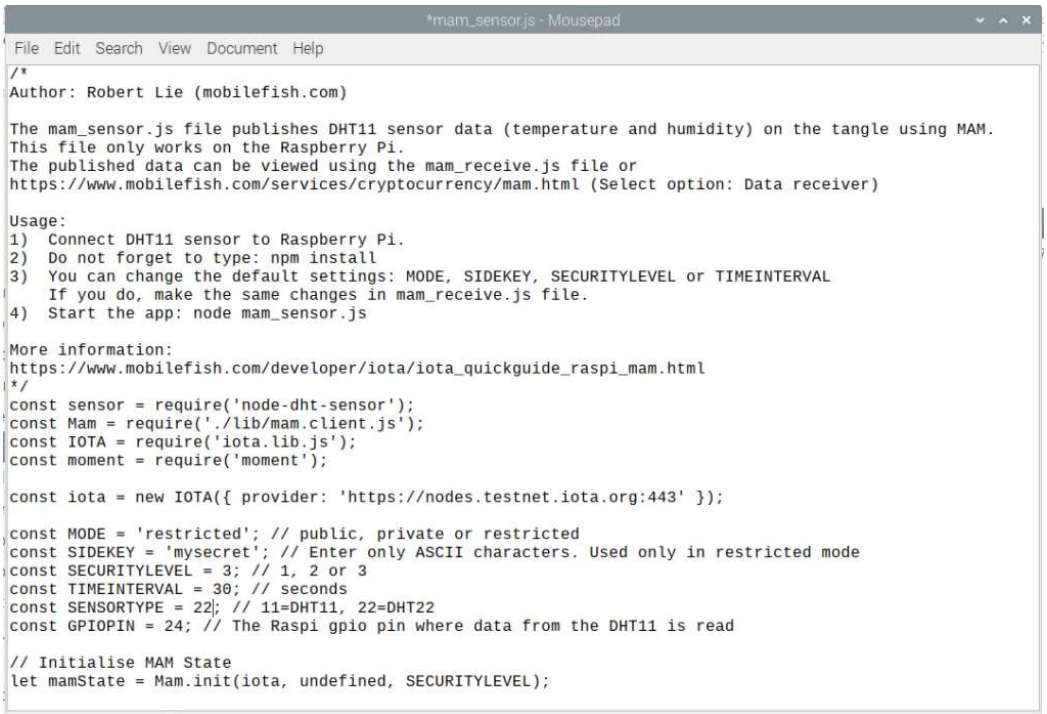
Terminal 1: Run mam_publish.js

Terminal 2 on the same or another Raspberry Pi: Run mam_receive.js



Change sensor type from DHT11 to DHT22 and GPIO pin from 4 to 24 (The sensor is required)





Terminal 1: Run mam_sensor.js

Terminal 2 on the same or another Raspberry Pi: Run mam_receive.js