pi@raspberrypi:~/Desktop/Smart Products/lab2/lab2\_post\_1 $ ls

I2C\_Slave.cpp I2C\_Slave.h lab2\_post\_Q1 lab2\_post\_Q1.cpp

pi@raspberrypi:~/Desktop/Smart Products/lab2/lab2\_post\_1 $ sudo ./lab2\_post\_Q1 I performed the Block Write Routine

I put us into frequency sweep initialize mode

I started the frequency sweep

Real Data: measurement 0 is 15.000000

Imag Data: measurement 0 is 1.000000

Increment 0: Mag = 15.033296, Phase = 3.814075

Real Data: measurement 1 is 17.000000

Imag Data: measurement 1 is 2.000000

Increment 1: Mag = 17.117243, Phase = 6.709837

Real Data: measurement 2 is 15.000000

Imag Data: measurement 2 is 3.000000

Increment 2: Mag = 15.297059, Phase = 11.309932

Real Data: measurement 3 is 14.000000

Imag Data: measurement 3 is 3.000000

Increment 3: Mag = 14.317821, Phase = 12.094757

Real Data: measurement 4 is 17.000000

Imag Data: measurement 4 is 2.000000

Increment 4: Mag = 17.117243, Phase = 6.709837

Real Data: measurement 5 is 18.000000

Imag Data: measurement 5 is 3.000000

Increment 5: Mag = 18.248288, Phase = 9.462322

Real Data: measurement 6 is 17.000000

Imag Data: measurement 6 is 1.000000

Increment 6: Mag = 17.029386, Phase = 3.366461

Real Data: measurement 7 is 16.000000

Imag Data: measurement 7 is 2.000000

Increment 7: Mag = 16.124515, Phase = 7.125016

Real Data: measurement 8 is 15.000000

Imag Data: measurement 8 is 3.000000

Increment 8: Mag = 15.297059, Phase = 11.309932

Real Data: measurement 9 is 14.000000

Imag Data: measurement 9 is 1.000000

Increment 9: Mag = 14.035669, Phase = 4.085617

Real Data: measurement 10 is 17.000000

Imag Data: measurement 10 is 2.000000

Increment 10: Mag = 17.117243, Phase = 6.709837

Real Data: measurement 11 is 15.000000

Imag Data: measurement 11 is 2.000000

Increment 11: Mag = 15.132746, Phase = 7.594643

Real Data: measurement 12 is 16.000000

Imag Data: measurement 12 is 2.000000

Increment 12: Mag = 16.124515, Phase = 7.125016

Real Data: measurement 13 is 16.000000

Imag Data: measurement 13 is 1.000000

Increment 13: Mag = 16.031220, Phase = 3.576334

Real Data: measurement 14 is 16.000000

Imag Data: measurement 14 is 2.000000

Increment 14: Mag = 16.124515, Phase = 7.125016

Real Data: measurement 15 is 19.000000

Imag Data: measurement 15 is 2.000000

Increment 15: Mag = 19.104973, Phase = 6.009006

Real Data: measurement 16 is 17.000000

Imag Data: measurement 16 is 3.000000

Increment 16: Mag = 17.262677, Phase = 10.007980

Real Data: measurement 17 is 17.000000

Imag Data: measurement 17 is 1.000000

Increment 17: Mag = 17.029386, Phase = 3.366461

Real Data: measurement 18 is 15.000000

Imag Data: measurement 18 is 2.000000

Increment 18: Mag = 15.132746, Phase = 7.594643

Real Data: measurement 19 is 16.000000

Imag Data: measurement 19 is 4.000000

Increment 19: Mag = 16.492423, Phase = 14.036243

Real Data: measurement 20 is 16.000000

Imag Data: measurement 20 is 1.000000

Increment 20: Mag = 16.031220, Phase = 3.576334

Real Data: measurement 21 is 16.000000

Imag Data: measurement 21 is 3.000000