Assignment 7

#include "BluetoothSerial.h"

BluetoothSerial SerialBT;

#include <Wire.h>

#include <Adafruit\_GFX.h>

#include <Adafruit\_SSD1306.h>

#define SCREEN\_WIDTH 128 // OLED display width, in pixels

#define SCREEN\_HEIGHT 64 // OLED display height, in pixels

Adafruit\_SSD1306 display(SCREEN\_WIDTH, SCREEN\_HEIGHT, &Wire, -1);

void setup() {

// put your setup code here, to run once:

Serial.begin(9600);

delay(3000);

SerialBT.begin("ESP32test");

delay(200);

Serial.println("oled test");

if(!display.begin(SSD1306\_SWITCHCAPVCC, 0x3C)) {

Serial.println("SSD1306 allocation failed");

for(;;);

}

}

void loop() {

display.clearDisplay();

display.setTextSize(1);

display.setTextColor(WHITE);

display.setCursor(0, 10);

while(SerialBT.available()) {

// Serial.write(SerialBT.read());

char a =SerialBT.read();

Serial.write(a);

delay(20);

// Display static text

display.write(a);

display.display();

}

}