```cpp
#include "mbed.h"

#define SEQUENCE_DELAY 500ms  // Time each LED stays on/off

// Function to handle sequential LED blinking
void runSequence(DigitalOut& first, DigitalOut& second, DigitalOut& third) {
    DigitalOut* leds[] = { &first, &second, &third };

    for (int i = 0; i < 3; i++) {
        *(leds[i]) = 1;
        ThisThread::sleep_for(SEQUENCE_DELAY);
        *(leds[i]) = 0;
        ThisThread::sleep_for(SEQUENCE_DELAY);
    }
}

int main() {
    // Set up LEDs with new variable names
    DigitalOut red(LED1);
    DigitalOut green(LED2);
    DigitalOut blue(LED3);

    while (true) {
        runSequence(red, green, blue);
    }
}
```