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Problem 1: For problem one, we are configuring our GPIO to light up the red LED on the disco board. We are setting bits to make this happen and we will turn in our code and a picture of it working after the TA checks it off.

Problem 2: For problem two, we simply add code to make the green LED turn on. Again we turn in our code and a picture of the lights on after the Ta checks it off.

Problem 3: For problem three we will instill a one second delay into our code. On top of our code and picture, we will have to explain how we determined our code for the one second delay.

Problem 4: For problem four we have to submit our code and a video. The code should toggle between green and red lights every second.

2. Main first loads counter (10) to r0. R1 then inputs the r0 address location and subtracts 1 until the carry bit is set (reaches zero). Once set it goes into an endless loop.

3. The GPIO_ODR_ODR bit is bit 8. The second bit will turn on the red LED.