Hello, Photon:

Objective: Give you some practice working with your Photon.

Program 1:

Make D7 flash on and off, with the delay between flashes doubling each time: 1, 2, 4, 8, 16, 32, 64, 128, 256. Once you have hit 256, start over at 1,

Program 2:

Make D7 flash on and off, with the delay between flashes increasing according to the Fibonacci sequence: 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89. Once you have hit 89, start over at 1.

Program 3:

Make the RGB LED transition from
      black to pure red and back to black;
      black to pure green and back to black
      black to pure blue and back to black
Repeat the above ad infinitum.

Program 4:

Make the RGB LED cycle through the colors of the spectrum, showing each color for 0.5 seconds. For those who aren't up on their spectra, the spectrum is Red, Orange, Yellow, Green, Blue, Indigo, Violet.

Deliverables:
Details TBA.