**Scenario 1**

Acquire pressure data every second for one minute.

1. While Loop: Time = 1 minute
2. For Loop: 60 iterations
3. Both are possible.

**Scenario 2**

Acquire pressure data until the pressure is 1400 psi.

1. While Loop: Pressure = 1400 psi
2. For Loop: unknown
3. A While Loop.

**Scenario 3**

Acquire pressure and temperature data until both values are stable for two minutes.

1. While Loop: [(Last Temperature = Previous Temperature) for 2 minutes or more] and [(Last Pressure = Previous Pressure) for 2 minutes or more]
2. For Loop: unknown
3. A While Loop.

**Scenario 4**

Output a voltage ramp starting at zero, increasing incrementally by 0.5 V every second, until the output voltage is equal to 5 V.

1. While Loop: Voltage = 5 V
2. For Loop: 11 iterations (Including the two end points, count the iteration for each value – 0, 0.5, 1.0, 1.5, ... 4.5, 5.0.)
3. Both are possible.