## Lab 2 Deliverables

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// Mores. You do not need to implement loanding
intl6 t Find Mean(intl6 t Readings[], int32 t N) {
   int32 t readingsSum = 0;
for (uint32 t i=0; i < N; i++) {</p>
     readingsSum += Readings[i];
   return (readingsSum / N);
 }
 // Convert temperature in Centigrade to temperature in Farenheit
 // Inputs: temperature in Centigrade
 // Output: temperature in Farenheit
 // Notes: you do not need to implement rounding
intl6 t CtoF(intl6 t const TinC) {
   int32_t TinF;
   TinF = ((TinC*9)/5 +32);
   return TinF;
 }
 // Return True of False based on whether the readings
 // are an increasing monotonic series
 // Inputs: Readings is an array of 16-bit temperature measurements
      N is the number of elements in the array
 // Output: true if monotonic decreasing, false if nonmonotonic
☐int IsMonotonic(intl6 t Readings[], int32 t N) {
   intl6 t isMonotonicStart = Readings[0];
  for (int32 t i = 1; i < N; i++) {
    if(Readings[i] <= isMonotonicStart){</pre>
       isMonotonicStart = Readings[i];
    }else{
       return False;
       }
   }
   return True;
 }
```

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UART #1

EE319K Fall 2019 Lab 2
Temperature Sensor Data Analysis
Test of your Find Mean...ok
Test of your CtoF...ok
Test of your IsMonotonic...ok
Passed all tests - End of Analysis
```