

```

// Return the computed Mean
uint8_t Find_Mean(){
// Replace the following line with your solution

    uint8_t i;
    uint16_t z = 0;

    for (i = 0; i < N; i++){
        z += Readings[i];
    }

    uint8_t avg = z / N;

    return(avg);
}

```

```

// Return the computed Range
uint8_t Find_Range(){
// Replace ths following line with your solution

    uint8_t i;
    uint8_t x;
    uint8_t swapvalue;

    // Copy Readings[N] array to CopyArray[N]
    for (i = 0; i < N; i++)
    {
        CopyArray[i] = Readings[i];
    }
}

```

```

for (i = 0; i < N; i++)
{
    for    (x = i + 1; x < N; x++)
        {
            if (CopyArray[i] < CopyArray[x])
                {
                    // Switch elements when the preceding
element is less than the succeeding element

                    swapvalue = CopyArray[i];
                    CopyArray[i] = CopyArray[x];
                    CopyArray[x] = swapvalue;
                }
        }
}

uint8_t range = CopyArray[0] - CopyArray[20];

return(range);
}

```

// Return True of False based on whether the readings

// a non-increasing montonic series

```
uint8_t IsMonotonic(){
```

// Replace ths following line with your solution

```
uint8_t i;
```

```
uint8_t x;
```

```
uint8_t swapvalue;
```

```
uint8_t a = True;
```

```
for (i = 0; i < N; i++)
{
    for    (x = i + 1; x < N; x++)
        {
            if (Readings[i] < Readings[x])
                {
                    a = False;

                }
        }
}

return (a);

}
```

