**Algorithm for getPercents:**

1. Parameters are:
   1. Pass by reference c, h, s, and o //stand for carbon, hydrogen, sulfur, and oxygen
2. Ask user for c
3. Read c
4. If c != 0
   1. Ask user for h, s, and o
   2. Read h, s and o

**Algorithm for badRanges:**

1. Parameters are:
   1. Pass by value c, h, s, and o //stand for carbon, hydrogen, sulfur, and oxygen
   2. Pass by reference cBad, hBad, sBad, oBad
2. If c<44 or c > 79
   1. cBad = 1;
3. else
   1. cBad = 0;
4. if h<2 or h>5
   1. hBad = 1;
5. else
   1. hBad = 0;
6. if s<0.5 or s>4.5
   1. sBad=1;
7. else
   1. sBad=0;
8. if o<1 or o>30
   1. oBad=1;
9. else
   1. oBad =0;
10. Test if any of pass by reference variables are 1
    1. If any of them are true the function returns 1, or true
    2. If cBad==1 || hBad==1 || sBad==1 || oBad==1 // how it would look coded
       1. Return 1;
11. Else
    1. The function returns 0, or false