**Loops and Iteration**

Repeated steps

When you gotta do something, many times based on a conditional sentence.

Indefinite Loops

While loop will execute the code inside itself until the logical conditional becomes False. Used when you don’t know how many times it could loop, an auxiliary variable needs to have the content changed or it might become an infinite loop.

Texto

Descrição gerada automaticamente

The variable “n” needed to be started before the while, or the code wont know witch type n is.

Define Loops

Differently from indefinite, this one you need to know the moment to stop looping. They will iterate through the members of a set. The “for” key is also the true argument.

Interface gráfica do usuário, Texto

Descrição gerada automaticamente

The word “in” means “in each of these five elements inside this lists” just like in mathematics.

Loop Idioms

Making the loop smart, once we did the blastoff above, now is time to give something more complicated to the “for”. Calculating the max number of a sequence is one of multiple things it can do.

Counting in a Loop