

## Sequence in an algorithm | Part A

Hello! In this session you will learn how to write some simple programs that use code that executes line by line. We call this sequential code. You can think of the program as a relay race. When a line is going to be executed, it receives the baton, the command is performed, and then the baton gets passed to the next line in the sequence. So we're going to write some sequential code based on the classic 'Hello World' program. We can do this in Python. We could use a Raspberry Pi, but in this case I'm going to use my computer here. So what I'm going to do is I'm going to type a really simple program, just a couple of lines, and we are going to base it on the 'Hello World' program. I am going to use the print function, and then I'm going to tell it to print, first of all 'Hello', and then I'm going to, on the next line get it to print 'World'. So there we are - a simple program. It's only got two lines, and let's see what happens when we run it. So I'm going to run this program now. It is going to tell me that I need to save it, so I will say okay and I'll save it as Hello World. And there we go. It runs, and you can see that it's printed out the two words on two separate lines. The reason for that is because I have actually entered the lines on separate code lines so it has printed them out on two separate code lines. It's executed those two instructions sequentially, one after the other.