Let's firstly discuss about the origin of coding, or to say the origin of computer. The first one who created the automatic computing machine whose name is Alan Mathison Turing. He creates the former type of computer to interpreted the code from Germany army. The way computer use to execute the demand is binary, which is controlled by the voltage of currency.

However, if we use binary as the only way to ask our demand to the computer, then it is probably to take us a whole afternoon only to solve a simple equation. So, to solve this problem, many types of programming languages have been created, such as C++, Python, Java, Fortran, etc.

But why do we need to code？ This is a immense problem for most of the STEM students. The most commonly usages are for numerical solutions and for analyze the data. Most of the phenomenon are involved in many different types of variables, some of which even affect each other. That's why we need to use a computer to do such complex calculating. On the other hand, if we need to sort all the researching data only by our hand, then it'll tough task. But when we throw this task to computer, everything will be simplified.

To me, coding is an important skill. For one thing, it is essential to conduct what physical model describe. For the second, also the most important purpose, it save my grade of the introduction of atmospheric science. My final report of that class is to simulate an important phenomena, so I choose to use Python to do such a task. And the image on the PowerPoint is part of the program.

So, in my own opinion, coding is such an important skill for all the STERM students, that's all for my presentation, thanks for your listening.