**Coding Part / Step by step**

During the internship, I was working in **Google Earth Pro** software. I had to work with river which exist in Southern Africa and have ending at Kalahari Basin. There were some software such as **GMT**, **WSL 2**, **Windows PowerShell** and **Python** which I used.

**Python Part**

Before to begin our steps, we have to be sure that Python and its scripts such as **pip**, **NumPy**, **pandas** are correctly installed, otherwise it would not work.

It is not needed to install Pip separately. Because it was installed when Python installed to computer. After installed Python, we have to install NumPy and Pandas separately. It is needed to write **pip install numpy** and **pip install pandas**. Here it is. Our all steps till now are correctly working.

This code was used to find the distance of rivers in Southern Africa. If we run distance.py file, It gives us the total length of river and creates the **river.dis** file with 1 column.

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In the previous step, the **river.dat** file is created with 3 columns which gave us the **the latitude**, **longitude and altitude** of river. It was done in **GMT Terminal.**

In the next steps, the distance is extracted from **river.dis** file to draw a graph of rivers.