Task 4.1:

Step 2: **Write 2 to 3 sentences on why Python is so popular among data analysts.**

- Firstly, Python is not just a programming language for analyzing data but can be used across multiple areas of computer programming, making it one of the most powerful tools to have.
- Secondly, it is easy to use and with understandability making it easily adapted to even those without a computer engineering background.

Step 3: **After doing some research, name the 5 top companies in the world that use Python (either as a tool for software engineering or for analytics)**
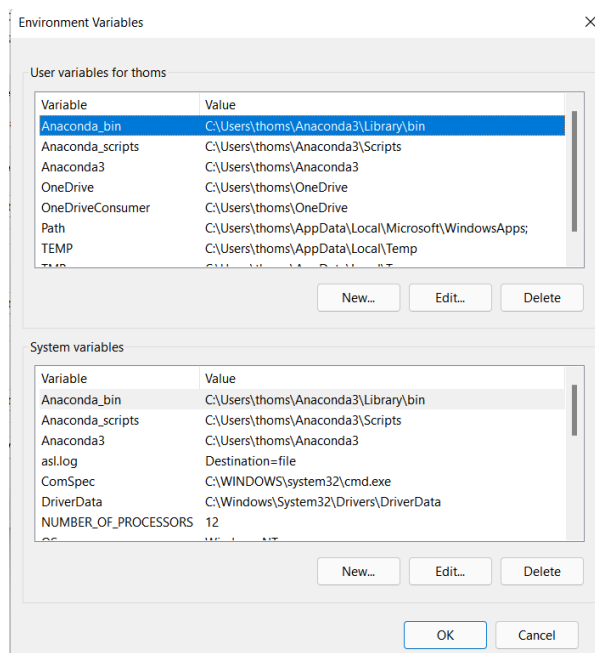
1. IBM
2. NASA
3. Pixar
4. Netflix
5. Spotify

Step 4: **For each of the following scenarios, explain what tool you would use and why**

- **You have a small data set that needs some quick tweaks and minor analysis. You'll need to filter some columns and make a quick chart.**
  - I would use excel as it is easy to use and no complicated code needs to be written to extract the data.
- **You need to retrieve some portion of data from a very large database.**
  - Python or SQL, as you would be able to write a query or the code needed to retrieve the portion of the database you are looking to access.
- **You have a data set with 15,000,000 rows and 350 columns that needs to be sorted and prepared for more advanced analysis.**

- As we are learning about Python, I am going to say Python. However, R is also a programming language that could access and analyze a large dataset. There is no question about why it is needed. They are the superior languages to speak to data.

Step 5: Downloaded Anaconda

Step 6: **Set up the environment variables on your computer and copy them into your document together with your answers to steps 2 through 4.**

Step 7: Jupiter Launched

Step 8: **Take a screenshot of the page that opens in your browser upon launching Jupyter.**