Programming Language

- **Python**: Widely used for cybersecurity analysis, data science, and automation. Python has excellent libraries for data collection, analysis, and machine learning.
  - **Libraries**:
    - **Pandas** (for data manipulation)
    - **NumPy** (for numerical analysis)
    - **Scikit-learn** (for machine learning)
    - **Matplotlib/Seaborn** (for visualization)
    - **Requests** (for API requests if pulling data from online sources)
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Web Scraping and API Access

- **BeautifulSoup** and **Scrapy** for scraping threat data from websites, news outlets, or security blogs.
- **Requests** for accessing and fetching data from public APIs, such as cybersecurity threat feeds or data breach records.