1. Write 2 to 3 sentences on why Python is so popular among data analysts.

* It’s a cross-functional language that helps data analysts understand complicated data. Excel has its limits with how many rows of data it can handle, Python does not. The Python community is expanding the program, notebooks are always evolving. Python is easier to collaborate with others and communication.

1. 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).
   * Instagram uses Python for its user-friendly application for developers and engineers.
   * Spotify uses Python for its speed so that it can build its music streaming service.
   * Amazon uses Python for its scalable and popular for dealing with large amounts of data.
   * Survey Monkey uses Python for it simplicity and libraries that help to build faster web apps and tools for deploying.
   * Facebook uses Python to process large amounts of data, images (resizing)
2. 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 and then Tableau for the chart that is needed.

* + You need to retrieve some portion of data from a very large database.

I would use SQL to get the data.

* + You have a data set with 15,000,000 rows and 350 columns that need to be sorted and prepared for more advanced analysis.

Python sounds like the best tool here.

USER

A screenshot of a computer

Description automatically generated

SYSTEM

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated