**Price Comparison of Lenovo Legion 5 on Amazon India and Amazon USA**

**Objective:** The script aims to compare the prices of the Lenovo Legion 5 laptop between Amazon India and Amazon USA, determining the cheaper option and providing insights for potential buyers.

1. Setup:

* Import Libraries: The script begins by importing necessary libraries such as `selenium`, `pandas`, `time`, and `requests`.
* Selenium Setup: It configures the Selenium webdriver for Chrome, specifying options to disable notifications, enable incognito mode, and set the executable path for the Chrome driver.

2. Define URLs:

* The URLs for Amazon India and Amazon USA are assigned to variables (`website\_amazon\_india` and `website\_amazon\_USA`, respectively).

3. Scrape Amazon India:

* The script navigates to Amazon India and searches for the Lenovo Legion 5 laptop.
* It extracts product descriptions, links, and prices from the search results using Selenium.

4. Scrape Amazon USA:

* Similarly, the script repeats the process for Amazon USA, navigating to the site, searching for the same product, and scraping relevant information.

5. Data Processing - Amazon USA:

* Price Cleaning: The script cleans the price data scraped from Amazon USA, removing the dollar sign ($) and commas (,) and converting the prices to floating-point numbers.
* Currency Conversion: It retrieves the current exchange rate for USD to INR from Google and uses this rate to convert the prices from USD to INR.

6. Price Comparison:

* The script compares the minimum price obtained from Amazon India with the minimum price obtained from Amazon USA.
* Based on the comparison, it determines which option offers the cheaper price.

7. Saving Results:

* If Amazon India offers the lower price, the script saves the details of the product with the cheapest price to a CSV file named "CHEAPEST PRICE\_INDIA.csv".
* If Amazon USA offers the lower price, the script saves the details to a CSV file named "CHEAPEST PRICE\_USA.csv".

8. Conclusion:

* The script concludes by providing insights into the cheaper option and suggests potential actions for buyers based on the comparison results.

9. Further Analysis:

* Additionally, the saved CSV files can be further analysed or used for decision-making, such as purchasing the product from the identified cheaper option.