

1. A developer is assigned a task to scrape 1 lakh website pages from a directory site, while scrapping he is facing such hcaptcha, which are placed to stop people from scrapping As a project Coordinator suggest ways to solve this problem

Consider using headless browsers with tools like Selenium to automate the interaction with the website, making it more human-like.  
Implement delays between requests to mimic human behavior and avoid triggering anti-scraping measures.  
Explore CAPTCHA-solving services or tools that can automate the solving process.

2. Our client has around 10k linkedin people profiles, he wants to know the estimated income range of these profiles. Suggest ways on how to do this?

Utilize LinkedIn's API to access relevant profile information, including job titles and industries.  
Leverage third-party data sources or APIs that provide salary estimates based on job titles and industries.  
Manually collect salary information from public sources like Glassdoor, if available.

3. We have a list of 1L company names, need to find linkedin company links of these profiles, how to go about this?

Use LinkedIn's API to search for companies based on the provided names and retrieve their profile links.  
Explore web scraping techniques to extract company links from LinkedIn search results.  
Manually cross-reference the company names with LinkedIn's search to find the correct profiles.

4. How to identify list of companies whose tech stack is built on Python. Give names of 5 companies if possible, by your suggested approach

Use web scraping to analyze the technologies mentioned on company websites, job postings, or LinkedIn profiles.  
Consider using third-party databases or platforms that track technology stacks of various companies.

5. Need to find an API, through which we can send linkedin messages to other linkedin users

LinkedIn's terms of service also strictly prohibit the use of automation tools or bots for sending messages. Violating these terms can lead to account restrictions or other penalties.