# Jobs Trend analysis using SerpAPI

## 1. Objective

This Python script is designed to fetch job listings from Google Jobs using the SerpAPI. It retrieves the top 10 results for a specified job title and location and displays job details including title, company, location, posting date, skills, and application links.

## 2. Technologies Used

- Python  
- Requests – For making HTTP requests.  
- Pandas – Imported for future data handling or export capabilities.

## 3. Features

- Takes job title input from the user.  
- Fetches job listings from Google using SerpAPI.  
- Displays structured information:  
 - Job Title  
 - Company Name  
 - Location  
 - Posting Date  
 - Apply Links  
 - Skills  
- Limits output to top 10 results.

## 4. How It Works

- User Input: Prompts the user to enter a job title.  
- API Request: Sends a GET request to SerpAPI with query parameters.  
- Data Extraction: Parses the JSON response for relevant job fields.  
- Output Display: Prints formatted job listings with all extracted info.

## 5. Future Improvements

- Add CSV/Excel export using pandas.  
- Include job descriptions and salary info (if available).  
- Add error handling for invalid responses or missing data.  
- Create a GUI or web app interface.  
- Implement filtering or search refinement.

## 6. Credits

- API Provider: SerpAPI (https://serpapi.com/)  
- Author: D.Charan Teja