Greetings From Globussoft

Given below two task and both are compulsory.

- These tasks can only be attempt in python language.
- For Task 2 you have to create two files one for training (only final model training code) and one for testing (which only has a function to load model and predict by user input).
- While solving these questions you are free to use any Search Engine like Google, Yahoo, Bing … All the best for your test Globussoft

Task - 1

To write a script to scrape the data from amazon.in along with suitable information of products and store in a csv file.

Script should get all the details for the laptop i.e.

- Image
- Title
- Rating
- Price
- Ad / Organic Result

Task 1 Submission:

• Have to save a file either in .py or .ipynb form.
• Output file should be saved with timestamp.

Task - 2

Choose ONE: Face Authentication OR Drone Count Detection

Pick A or B below.

A) Face Authentication (Face Verification)

Implement a Python + FastAPI service that:

- Accepts **two face images**
- Detects the face(s) in each
- Extracts embeddings (any open-source model)
- Computes similarity

- Returns:
    - verification result: “same person” or “different person”
    - similarity score
    - bounding boxes for detected faces

You may use any model such as InsightFace, FaceNet, or simple OpenCV-based embeddings.

B) Drone Count Detection

Implement a Python + FastAPI service that:

- Accepts **one sky image**
- Detects drones using any lightweight model (YOLO-tiny or other pre-trained detector)
- Returns:
    - List of bounding boxes
    - Confidence scores
    - Total count of detected drones

Single-image inference only.

Submission Requirements

- GitHub repo containing:
    - FastAPI app
    - Code for Task 1 and Task 2
    - requirements.txt
    - A simple README.md

A couple of sample images