1. **How and where facebook uses ML to improve user experience?**

**Automatic friend tagging suggestions**: When a pic is uploaded on facebook, a suggestion asking if you want to tag your friend in the pic appears. This is done by Facebook's face detection and recognition algorithms based on the advanced deep learning neural network research project Deepface.

**Mutual friend analysis**: Facebook uses the clustering algorithm(comes under unsupervised learning) to find mutual friends.

**Newsfeed**: facebook uses ML to arrange your Newsfeed too. Like posts of close friends may come up first. Posts related to your favourite pages come up first.

**Friend Suggestions**: Machine learning is used by FB to suggest new friend based on mutual circle

**TRANSLATION:**

Translation is a good application of ML. Someone writes in native language, you can always see translation in English.

1. **How do you think deep learning can change the world and do wonders?**

deep learning can improve countless products and services. Speech recognition, targeted advertising, drug discovery, and image searches are just a few of the applications. For example

Ad companies are using deep learning to predict what ads you are most likely to click on to maximize their revenue.

IBM is using deep learning in its Watson supercomputer to guide doctors in analyzing symptoms and making better diagnoses.

1. **What is your dream AI project that can become reality and can have a commercial value.justify your answere?**

I really wants to build a robot pilot that can grabs the flight control. The robot that can take off, [follow a flight plan](https://www.newscientist.com/article/2207886-it-turns-out-planes-are-even-worse-for-the-climate-than-we-thought/) and land without human intervention. Robopilot will be a drop-in system meaning that the pilot’s seat is removed and replaced with the robot. Unlike an autopilot which has direct access to the controls and sensors, the robot is in the place of a human pilot and  has to physically work the controls. Robopilot will be useful for tasks including transporting cargo, entry into hazardous environments, surveillance and reconnaissance mission.