**1. What is DL (Deep Learning)?**  
Deep Learning (DL) is a subset of machine learning that uses neural networks with multiple layers to learn complex patterns in large amounts of data. It is especially powerful in applications such as image recognition, natural language processing, and speech recognition.

**2. What is a Neural Network and its Types?**  
A Neural Network is a computational model inspired by the human brain. It consists of layers of nodes (neurons) that process data.  
**Types of Neural Network**

* **Artificial Neural Network (ANN)**
* **Convolutional Neural Network (CNN)**
* **Recurrent Neural Network (RNN)**

**3. What is CNN in Simple Words?**  
A Convolutional Neural Network (CNN) is a type of neural network that is great at identifying patterns in images. It uses filters (kernels) to scan images and detect features like edges, textures, or shapes, making it ideal for tasks like face recognition or object detection.

**4. Short Notes about the Pipeline.**  
**Data Collection**: Gather raw data (images, text, etc.)

* **Preprocessing**: Normalize or resize data, remove noise
* **Model Building**: Choose and configure the neural network architecture
* **Training**: Feed data into the model and adjust weights using optimization algorithms
* **Evaluation**: Test the model on unseen data to check accuracy
* **Deployment**: Integrate the model into an application for real-world use