Task Overview:

Choose one platform from each category:

- **Public Blockchain:** (e.g., Ethereum, Bitcoin, Solana)

- **Private Blockchain:** (e.g., Hyperledger Fabric, R3 Corda in private mode)

- **Consortium Blockchain:** (e.g., R3 Corda, Quorum, IBM Food Trust)

Instructions:

1. **Create a comparison table or markdown sheet** with the following columns for each platform:

   - **Blockchain Name**

   - **Type (Public/Private/Consortium)**

   - **Consensus Mechanism Used**

   - **Permission Model (Open/Permissioned)**

   - **Speed / Throughput (TPS if available)**

   - **Smart Contract Support (Y/N + Language)**

   - **Token Support (Native or not)**

   - **Typical Use Case**

   - **Notable Technical Feature (e.g., privacy, pluggable consensus)**

   2. **Write a Short Report (150–200 words):**

   - Compare and contrast the **technical capabilities** of each.

   - Which platform would you choose for:

     - A decentralized app?

- A supply chain network among known partners?

- An inter-bank financial application?

- Justify your choice based on technical points.