**ID: 27378**

**WhatsApp:**

**Networked System:**

1. Connects billions of users globally for communication.
2. Enables sending text messages, voice notes, audio/video calls, media, and location over the internet.
3. Relies on servers to route messages between senders and recipients.
4. Manages user registration, authentication, and presence information (online status).
5. Ensures secure communication through end-to-end encryption across the network.

**Parallel Computing (Behind the Scenes):**

1. Handles the massive volume of daily messages and calls efficiently.
2. Processes media (images, videos) for encoding, decoding, and storage.
3. Analyzes large datasets for spam detection and platform improvement.

Supports the infrastructure needed for real-time communication and data management at scale.

**Facebook (Now Meta):**

**Networked System:**

1. Connects billions of users for sharing updates, photos, videos, and engaging in communities.
2. Manages user profiles, relationships, news feeds, messaging (Messenger), groups, and pages.
3. Facilitates real-time interactions, notifications, and content sharing across a global network.
4. Supports complex features like friend suggestions and personalized content delivery.

**Parallel Computing (Behind the Scenes):**

1. Powers algorithms for ranking news feed content for billions of users in real-time.
2. Processes the vast number of daily image and video uploads.
3. Analyzes the massive social graph to understand user connections and behaviors.
4. Drives advertising algorithms for serving targeted ads to a global audience.

Supports search indexing and other data-intensive functionalities to maintain platform performance and deliver features.