CS447: Lecture Note (Lecture #19, October 26, 2023)

The agenda for CS447 lecture #19 (October 26, 2023)

1. **Distribute:**
   - Attendance cards

2. **Announcement**
   - Next quiz (Quiz #9) is scheduled on 10/31 (Tuesday).

3. **MAC (Medium Access Control) address and ARP (Address Resolution Protocol)**
   - MAC-IP resolution
   - Exercise (EXERCISE #2 on October 19th)

4. **IP address**
   - IP address structure: the domain address and the host address
   - The classic 3-class IP address structure (obsolete)
   - Subnet and subnet-mask
   - Inter-domain routing and AS (Autonomous System) in the Internet routing
   - IP inter-domain routing and BGP (Border Gateway Protocol)
   - CIDR (Class-less Inter Domain Routing) (the current)
   - Exercise (EXERCISE #1 on October 19th and EXERCISE #1 on October 24th)