CS447: Lecture Note (Lecture #18, October 24, 2023)

The agenda for CS447 lecture #18 (October 24, 2023)

1. **Distribute:**
   - Attendance cards

2. **Announcement**
   - Quiz #9 is scheduled on 10/26 (Thursday).

3. **Midterm exam**
   - **Graded**
     - Highest: 103/100
     - Average: 69.5/100
   - **Exam Review**
     - The suggested solutions for QUESTION #1 have been posted to the course home
     - QUESTION #2, #3, #4, and #5
     - Questions asked in this midterm exam can be asked in the final exam
     - Each of you is allowed to use two cheat sheets (it is suggested for each of you to keep the cheat sheet you created for your midterm exam)

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

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