CS447-002: Lecture Note (Lecture #20, April 1, 2024)

1. **Pick up:**

   - Attendance card

2. **Announcements:**

   - Quiz #8 is scheduled on 4/3 (preview 10 to 15 minutes at the end)

3. **IP addresses**

   - IPv4 protocol design

     - Class-less Inter-Domain Routing (CIDR) and CIDR-prefix
     - Subnets and subnet mask

   - Exercise question on March 27th

4. **ARP (Address Resolution Protocol)**

   - What is it for?

     - Logical (software) address and physical (hardware) address

   - What it does?
   - How does ARP do it?

5. **Internet routing**

   - Autonomous System (AS)
   - Tire-1, 2, and 3 AS (ISP)
   - CIDR-routing (distance-vector routing algorithm)

   - Exercise question on April 1st

6. **Quiz #8** preview (10 to 15 minutes)

   - A timekeeper wanted

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