The agenda for CS286 lecture #7 (September 12, 2022):

1. **Pick up:**
   - Attendance card

2. **Quiz #4 is scheduled on Monday next week (9/19)**
   - The possible question list has been posted to the course home
   - Discuss Quiz #4 questions at the end of the lecture today (15 to 10 minutes)

3. **Quiz #4 questions: #1 through #6**
   - #1: What is the problem in representing fractions using the “fixed-point” method?
   - #2: What does “floating point” in “floating point fraction numbers” mean?
   - #3: What are the three components in the floating-point number expressions?
   - #4: Show (by an example) how a floating-point number expression can represent a huge number.
   - #5: Show (by an example) how a floating-point number expression can represent a tiny number.
   - #6: What is “0.01011(2)” in the decimal format? Show your work.

4. **Continue IEEE-754 floating-point fraction numbers**
   - The PPT slides: 005 - 006
   - Introduce: “bias of 127” (slide #007)
   - Introduce: “normalization”
   - Slides: #008 to #014
   - Exercises (9/12): EXERCISE #1 and #3
   - Exercises (9/12): EXERCISE #4, #5, #6, and #7