Reminder: Please put away your laptops

- Sorry... no electronic devices in lecture
- Please DO bring a laptop to discussion sessions (labs)
Reminder: Class webpage

• Look over all of it (especially syllabus)
• Authentication for “study questions”

• Do the survey (link in class announcements)!
Reminder: Install Eclipse

- Instructions on class webpage
- First project (Hello World) has been posted
- If you’re stuck, come to office hours
Eclipse (a Modern IDE)

Eclipse Demo:

- Installing Eclipse
- Connecting to your CVS repository
- “Checking Out” a project
- Working on the project
- Submitting the project
- Test results on the server
Computer Systems Overview (First Hardware)

- CPU
- RAM (more detail on next slide)
- Secondary Memory devices
- I/O devices
Random Access Memory (RAM)

• What’s a bit?
• What’s a byte?

• Mental picture (abstraction) of RAM:
  • Each cell has an “address”

• How many combinations can be stored in one “cell”?
• More generally, how many combinations can be represented by k bits?
Units of Storage Capacity

- kilobyte
- megabyte
- gigabyte
- terabyte