CSE 113 A

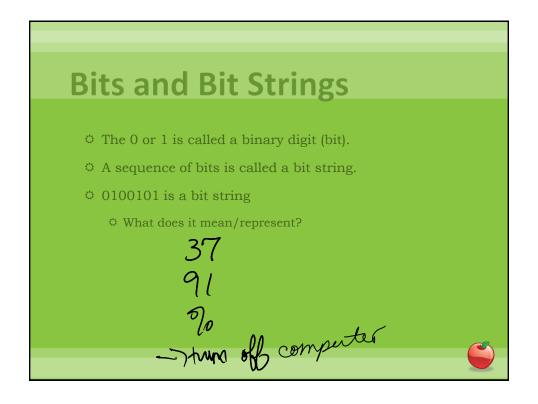
January 11 – 15, 2010

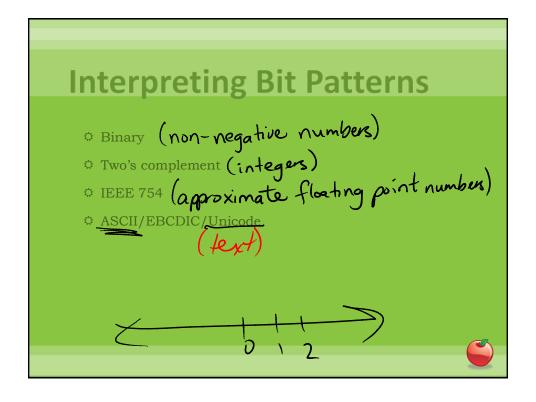
Announcements

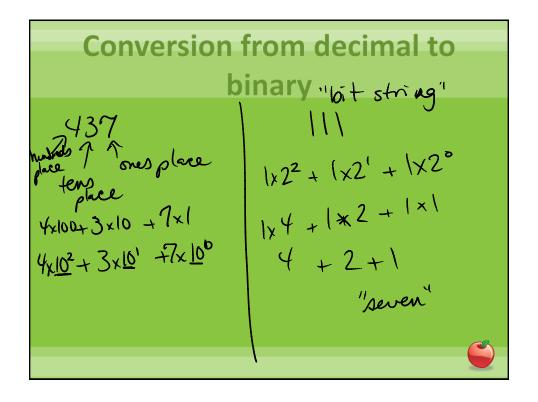
- ♦ If you have not picked up a syllabus, please do so
- Assignment #1 sign and return form on last page of syllabus – must be turned in by end of class Monday, January 25th to receive full credit.
- Take note of course website on syllabus UBlearns will only be used for posting grades, so please make sure to check the website for course schedule and other information (including these slides which will be linked from the course schedule page at the end of each week).
- No recitations meet this week
- No classes meet Monday, January 18



What does a computer understand? © 0's and 1's (zeros and ones)







Encoding machine instructions

- Use bits to encode those as well
- When we want the machine to follow those instructions:
 - · Fetch gets the instruction from memory · Decode turns it into 1'540's

 - · Execute do the instruction



Assembly language

- ADD r1 r2
- STOR r2 r1
- named of the registers inside there



High-level languages

• Step closer to natural language from machine language.



Tools

- · Editor place to type our program's text
- © Compiler-translator
 Gtranslate to machine language
- © Execution Environment 9 to help us run the program



Our Language: Java High level programming language Object-oriented