EECS10 Discussion Week3

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Operators (cont.)

- Augmented assignment
  - +=, -=, *=, /=, %=, <<=, >>=, |=, &=

- C provides special operators
  - Increment operator: ++
    - count++ post-increment
    - ++count pre-increment

  - Decrement operator: --
    - count-- post-decrement
    - --count pre-decrement

  - pre-increment/decrement
    - Value returned is the incremented/decremented (new) value

  - post-increment/decrement
    - Value returned is the original (old) value

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Repetition statements

- Machines are extremely efficient in performing repetitive tasks.

- Using *while* statement is one way to instruct the machine to perform the repetitive tasks.

- while (condition) {
    loop body
  }

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Assignment 4 Part 1

- Paying off Credit Card Debt
    - For each iteration: balance = new_balance;
- Let's now do some coding by writing a program to calculate monthly payment for an amortized loan with an annual interest rate using a simple model.

Assignment 4 Part 2

- Blackjack
  - Use rand() function to generate random card number.
- Bonus part: Count user ace card as either 1 or 11.
- Let's do more coding by writing a program to generate random number between 0 to 1999!

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