Monday January 7

Lecture 1

Low-Level PL vs. High-Level PL

Assembly

load word

```
lw      $t0, $n          # fetch N, store in $t0
mult    $t0, $t0, $t0    # store N*N in $t0
lw      $t1, $n          # fetch N, store in $t1
mult    $t1, $t1, 3      # store 3*N in $t1
add     $t2, $t0, $t1    # store N*N + 3*N in $t2
sw      $t2, $i          # store N*N + 3*N in $i
```

$n^2 + 3n$

EECS 202

OOP e.g. Java

```java
1  Scanner keyboard = new Scanner(System.in);
2  int weight = keyboard.nextInt();
3  int height = keyboard.nextInt();
4  int bmi = weight / (height * height);
5  System.out.println("BMI (Body Mass Index) is: " + bmi);
```

w/h^2

Lab

→ programming assignment given

(Completed)

→ lab session

1. quit

2. graded

3. Wait until you can start checking out HW.