Lab 4 Feedback

- Better overall
- Took off for insufficient testing, comments
- Overuse of `sys.exit()`
  - Typically, reserved for "unusual" exitting from program
    - E.g., invalid weights and heights for BMI calculation
    - E.g., incorrect use of program (later this semester)
  - Inside of a loop, use `break` instead

BMI problem

- Compute BMI as a float
  - Why is that important?
- Check valid height, weight *before* computing BMI
  - Don't waste time computing if they are invalid
- Most elegant if/else condition:

As opposed to

```
if bmi < 19:
    print "below"
elif bmi > 25:
    print "above"
else:
    print "in range"
```

```
if bmi >= 19 and bmi <=25 :
    print "in range"
elif bmi > 25:
    print "above"
else:
    print "below"
```

Both are correct

Lab 4 Feedback

- Problem 5, if number is divisible by 6
  - Prefer `while` num % 6 != 0 :
    to `while` not (num % 6 == 0) :

- Separate blocks of code with spaces and comments
  - More important as we write larger programs
  - Examples of good student programs

Lab 5 Overview

- Practice Python programming
  - More practice with Graphics API and animation
    - Screen capture using `xv`
    - Create a Web page to display artwork
  - String practice
- Don't spend too much time on creating your picture
  - After get good draft, start on the string problems
  - Then go back and perfect your artwork