CS 160
CS Orientation

Finish Repetition and Strings
Begin Functions
What happens when you enter bad data?

- Where/when does the error occur?
Strings

• Create a string
  my_string=“hello”;

• Access a character
  my_string[0] #gives you first character

• Length
  len(my_string)
Demo...
In-class Exercise #4 cont...

• Without using a built-in function to do the checking for you...
  – How will you make sure you get a good positive integer from the user?
  
  – How will you make sure you get a good integer from the user?
  
  – How will you make sure you get a good floating point number from the user?
Demo...
Decomposition

• What is it?

• What are functions?

• Examples of daily life functions???
Pre-Defined Functions

- May need to import a library
- Use the function from library/object
- Example:
  import math
  math.sqrt(4)
Programming Demo/Functions
More practice with loops...

• Write a nested loop that displays 10 rows of ‘#’. There should be 15 ‘#’ on each row.

• Ask the user for the speed of a vehicle and how many hours it has been travelling. Print out how far the vehicle has gone each hour. Ask the user if they want to perform another calculation.