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.

