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)
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?
good=True;  #probably should have called it bad in this case!!
while(good):
    good=False;
    my_input=input("Enter a good positive integer number: ");
    for x in range(len(my_input)):  #for the size of my input string
        if(not(my_input[x]>'0' and my_input[x]<'9')):
            good=True;
            break;  #get me out of my innermost loop, checking is digit

#probably better design, since we want to continue to do this while the
#input is not good!
good=False;
while(good==False):
    good=True;  #assume good input until proven wrong
    my_input=input("Enter a good positive integer number: ");
    for x in range(len(my_input)):  #for the size of my input string
        if(not(my_input[x]>'0' and my_input[x]<'9')):
            good=False;
            break;  #get me out of my innermost loop, checking is digit

#probably better design, since we want to continue to do this while the
#input is not good!
good=False;
while(good==False):
    good=True;  #assume good input until proven wrong
    my_input=input("Enter a good positive integer number: ");
    for x in my_input:  #for each character in my string
        if(not(x>'0' and x<='9')):
            good=False;
            break;  #get me out of my innermost loop, checking is digit

"integer.py" 30L, 1231C 30,7