5180 - More on while loops (Ch 5) 2/8/2012 mnouncements -HW3 due Monday at 11:59 pm hint: index my string [2:6]
my string [5:2:-1]

Abetter way: Segnential Search while i < len (data) and not found:

If data [i] == val:

Found = True

else:

i += 1

In strings, "== False, any other Another example: user input string is True anests = []

while name: != ::

quests. append (name)

wane = raw\_nput (Enter a name, or hit

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enter to end: ') You entered, len(quests), quests.

Sanity check ne following. val = 5 while (val < 10): val += 1, yal Print val done

Caution: Infinite loops Consider: while True; print 'Hello'

Infinite loops the previous example looked Silly. while iclen(date) and not found:
if data[i] == value: an be tricky. Think Ducked's algorithm-2 commands that only work in Continue; end current iteration of loop or jump to next one Break: end current teration and Can be overnsed

if condition?: else: do something else if condition B: Continue else: f conditions break 6007

Back to Seg. Search date = [0--...]

value = raw-input ('Enter Hern to search fir: ')

found = False for I tem in data: if item == value. Found = True print found

user to enter numbers at prints the average. Program should keep taking input unt I the user enters of a output should be a float. rife a program that prompts nter a number: 5 nter a number: 17 Enter a number: 14 Enter a number: 0 re average is 12.0