CS 160
CS Orientation

Loops and Functions...
Odds and Ends...

• Assignment #4 and #5
  – due date
  – demos
• Exercises
for into a while loop example...

```python
# print the triangle below, but for any number of rows!!!
rows = int(input("Enter rows: "));
spaces = rows-1;  # start with three spaces
stars = 1;        # start with one star
for x in range(rows):  # for the number of rows entered by the user
    for s in range(spaces):  # print number of spaces
        print(" ", end="");
    for st in range(stars):  # print number of stars
        print("*", end="");
    print("\n");
    spaces-=1;  # there is one less space for each row
    stars+=2;   # there is 2 more stars for each row
```

"demo2.py" 16L, 535C
In-class Exercise #3...

• For all the employees in our company, calculate their gross pay based on their hours and pay rate.

• What are the inputs? Outputs?
• Write the algorithm for this?
Same as pseudocode...
In-class Exercise #3...

• For all the employees in our company, calculate their gross pay based on their hours and pay rate.

• What if you want to make sure they provide a valid integer for number of employees?

• How does this differ from hours and pay rate?
Make sure it is a valid int
(continue to work on this...)