CS 160
CS Orientation
Practice Loops and Functions
Odds and Ends...

• Assignment #7 will be posted!!!
• Assignment #6 demoed this week!!!
Seeing Patterns...

• Print the triangle of stars given max stars for base as a positive odd number.

• Example:

  \[
  \begin{align*}
  N &= 3 \\
  & \quad \ast \\
  & \quad \ast \ast \ast \\
  N &= 5 \\
  & \quad \ast \\
  & \quad \ast \ast \ast \\
  & \quad \ast \ast \ast \ast \ast
  \end{align*}
  \]
Demo...
As a class, let’s define functions...

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

• Create a function to get number of employees.
• What if you want to make sure this function only returns a valid integer?
• Create function called gross_pay that takes the number of employees and calculates gross pay for each.
• Create a main function where the program begins.
Designing Functions...
Programming Demo/Functions