

CS 160

CS Orientation

More Functions

Decomposition

- What is decomposition?
- What are functions?
- Examples of daily life functions???

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...

Demo...

More practice loops/functions...

- Write a function with a nested loop that displays x rows of '#' with y '#'s on each row.
- Write a function that asks the user for the speed of a vehicle and how many hours it has been travelling. Write another function to print out how far the vehicle has gone each hour. Ask the user if they want to perform another calculation.

Programming Demo/Functions

Demo...