CS 160
CS Orientation

Functions
Odds and Ends...

• Assignment #6: keep working and ask questions!!!

• EECS Networking night tonight, 5-8pm (KEC)

• Career Fair Thursday 11am-3pm, CH2M Hill Alumni Center
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...

```plaintext
main
  get_num_emp
    get input
      num_emp
      return
    precondition: good positive int
  num_emp
    return
    precondition: good positive int
  gross_pay
    precondition: good positive int
    num_emp
    return
    precondition: string of characters
    num_emp is positive int
    check all chars
    if bad char
    return false
    return true
```
Programming Demo/Functions

```python
1 def get_num_emp():
2   
3 def main():
4     get_num_emp();
5     #getNumEmp(); #camel casing
6
7 main(); #only thing allowed in global space
```