

CS 160

CS Orientation

Problem Solving/Algorithms

Odds and Ends

- Assignment #3 posted
- Demo Assignment #2
- Great Python Book:
 - <http://introcs.cs.princeton.edu/python/home>
- Video: What are algorithms?



Assignment #3

- What am I asking you to do?

Problem Solving in Everyday Life

1. Identify the problem.
2. Understand the problem. ✖
3. Identify alternative ways to solve problem. ✖
4. Select best alternative.
5. List solution steps for alternative chosen.
6. Evaluate solution. ✖

Difficulties with Problem Solving

- Lack of problem solving experience
- Inadequate solution steps 
- Incorrect problem definition 
- Alternatives chosen incorrectly
- Invalid logic
- Incorrect solution evaluation

Let's write the directions to start a car

Find/Locate Keys

Exercise #2

- Get into groups of 4-5, and everyone write your name on one piece of paper.
- Write the steps for tying your shoes. *correctness?*
- Exchange your solution with another group to see if they can tie a shoe with your instructions.