

Lab 1 Feedback

- Good test cases
 - Ex: Use well-known values for F-->C conversion
- Good variable naming
- Good high-level descriptions
 - I use to make sure you understand the purpose of the program

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Lab 1 Feedback: Common Issues

- Common mistakes
 - Not executing program more than one time if have input from user
 - Unlabeled output
 - Tell user what is being output
 - Area of triangle result: not a **float**
 - Would find if test with two odd numbers
 - Common correct solutions: /2.0 or * .5
- Common issue
 - "Over floating"
 - Only need to ensure floats when doing division

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Network Addresses

- A computer on a network has an **address**.
 - Address is used to uniquely identify the computer (also known as a host) on the network
- The most common address system in use today is the **Internet Protocol (IPv4)** addressing system
 - a 32-bit address, typically written as a "dotted-quad": four numbers, 0 through 255, separated by dots, e.g.,
137.113.48.2

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DNS: Domain Name System

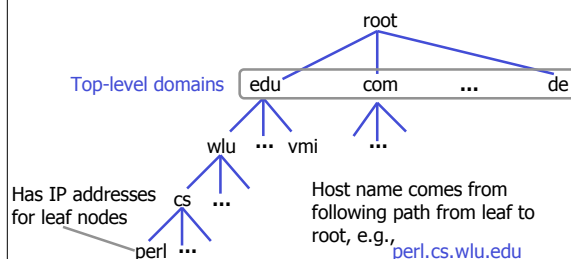
- Translate IP addresses to human-understandable host names and vice versa
 - Example: going from **www.cnn.com** to IP address **64.236.16.20**

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DNS: Domain Name System

- Unique names for computers
- Hierarchical system (tree structure)



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Using UNIX network utilities

- **host <ipaddress or name>**
 - Examples:
 - host 64.236.16.20
 - For host name www2.cnn.com
 - host www.espn.com
 - For IP address 199.181.132.250
- **nslookup <ipaddress or name>**
 - Gets similar information
- **whois <domainname>**
 - Get information about registered name

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Lab 2 Overview

- Use UNIX network utilities
 - Answer some questions
- Practice Python programming
 - String operations
 - Using Functions, Modules
 - For loops