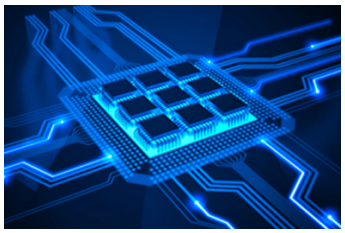
Bowdoin

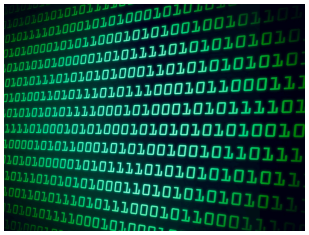
CSCI 2330

FOUNDATIONS OF COMPUTER SYSTEMS



Sean Barker

Bowdoin College



Department of Computer Science

The Big Question

How does a program work?

```
/**
 * Simple HelloButton() method.
 * @version 1.0
 * @author john doe <doe.j@example.com>
 */
HelloButton()
{
  JButton hello = new JButton( "Hello, wor
  hello.addActionListener( new HelloBtnList

  // use the JFrame type until support for t
  // new component is finished
  JFrame frame = new JFrame( "Hello Button"
  Container pane = frame.getContentPane();
  pane.add( hello );
  frame.pack();
  frame.show();           // display the fra
}
```

Abstraction

Abstractions are great...

But they leak!

Personnel and Resources

- Instructor: Sean Barker
- Email: sbarker@bowdoin.edu
- Office: Searles 220
- Research: smart buildings, distributed systems

- TAs: Bo Bleckel, Bolor Jagdagdorj

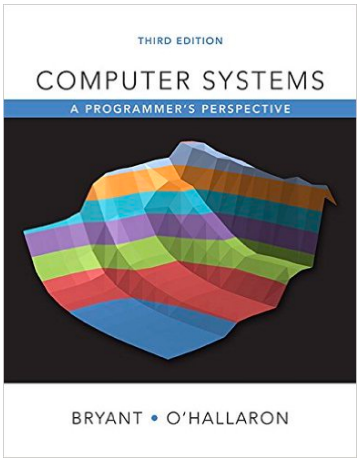
- Piazza Q&A forum

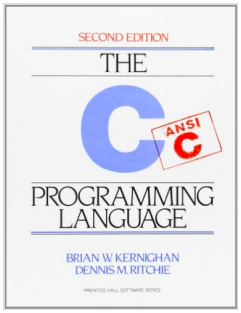
Course Components

- Labs (~6)
- Exams (2)
- In-class participation
- Expectations

Other Administrivia

- Class meeting times
- Textbooks



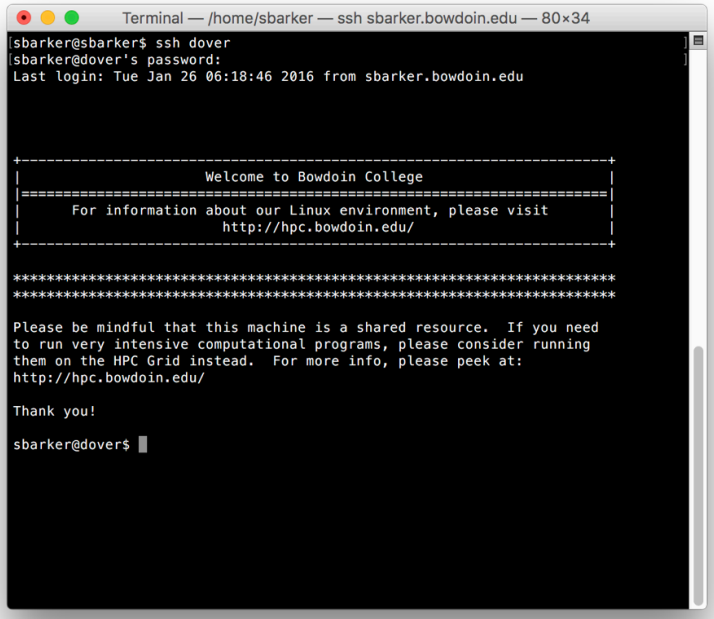


- Collaboration policy and honor code

Go here!

- Course web page:
  http://www.bowdoin.edu/~sbarker/2330

Lab 0: Unix Warmup



System Layers

```
#include <stdio.h>

int main() {

  printf("Hello, World!\n");

  return 0;
}
```