Week 1

Welcome to CSCI E-52/CS50!
This Week

• SSH
• Unix Command Line
• Nano Text Editor
• Getting Started With C
SSH

• Secure Shell
• Allows you to access another computer through command-line interface.
• We use SSH to connect to the CS50 Cloud!
SSH

The Internets.
SSH On Windows

Recommended Program: PuTTY

Host Name
cloud.cs50.net
OR
yourUserName@cloud.cs50.net
SSH On Mac OS X

Included Program: Terminal

Just open it up and type:

ssh cloud.cs50.net

OR

ssh yourUserName@cloud.cs50.net

Same steps in Ubuntu Linux!
Conditions

• A condition may have two values: true or false.
• May be expressed as a logical expression or a ‘bool’ variable.
• Can be thought of as a yes/no question, or a logical true/false statement.
Conditions

O RLY?

YA RLY

NO WAI!!!
While Loops

while(condition)
{
    // code block which is repeated until
    // the condition is NOT true
}
For Loops

for(initialization; condition; update)
{
    // code block
}

For Loops

```java
for(int i = 0; i < 10; i++)
{
    // code block which is repeated 10 times
}
```
These two loops are equivalent.
Do-While Loops

do
{
    // code block
}
while (condition);

Unlike in a while loop, we first check the condition *after* executing the code block!