

Announcements

- DSS Exams were returned to us this morning; not graded yet
- Project #3 will be posted on Monday
- Work on your term paper this weekend!

Reminder

- To invoke the “Error Console” in your browser (Chrome or Firefox) use

CTRL-SHFT J on a PC

Command-Option J on a Mac

The Power of Computing

Why do we need computers? Computers are FAST.

To harness this potential we need to be able to REPEAT operations many, many times.

Two techniques for repetition:

- 1. Loops (We will learn today)**
- 2. Recursion (Maybe if we have time)**

Examples (Let's run these but NOT inspect the code yet...):

LoopFun1.html

LoopFun2.html

LoopFun3.html

While Loops

```
...  
while (...some boolean condition...) {  
    ...  
    ...  
    ...  
}  
...
```

Repeats block of code over and over as long as condition is true.
Note: If condition is *initially* false, then block of code *never* runs.

Examples: [WhileLoop1.html](#)
[SquareRootTable.html](#)

While Loops

Let's write the “Bottles on the Wall” example...

Now let's try the adding numbers example...