2/15/2023
asgn 4
vv census : $if(y \| x)\{$?   use for loop 1 to 1
if to ordeal use mod, don't use mod otherwise
check if value is valid (not negative);
if so, add to count

inoperability testing - your code should meet someone else's code
assuming y'all both followed spec

Bash: dirs - stack of folders
      push e - temporarily leave spot
      popd - return to spot

<u>Files</u>: Hard drive, reader head is like an airplane, moves up & down

File extension - means nothing in Unix, can have .c .y .ol stu want
              - Unix doesn't care about it
              - Windows is different, extension is special

Unix, no structure on files

#! is a #, means that its a script

zip:
header   name, etc...
object
Header
object
        so it can be taken apart

Sequenced access, from start to end, cannot rewind
Random access, like RAM

Read has a pointer that goes through file

Unix Lseek

↑

accepts long

File Attributes:

Set protections for files on a shared computer

"Functionally Complete" - function can build other functions

ex: NAND, NOR

Originally, directories were files, you can open directories

- you can open in Vim
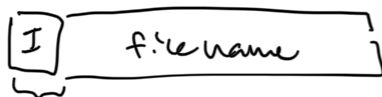
the name you see for a file is a pointer

If the semantics of a directory are specified, they can be fixed even if deleted

a directory read is "atomic" operation, nothing smaller always first

Unix

Hard link

- directories both have pointers to a file

- don't try this on directories

Unix 7 file system

MBR master boot record

Boot block

super block   like an index

freespace

Inodes - file pointers

Root directory