IC221 System Programming Spring 2015	NAME:	
HW1	COLLABORATOR(S):	
1 Pood Origins and Wisto	ry of Unix: Who were the inventors of	
	ion between the projects when	
		5/3/0
	ponents of a Unix system? Provide an from a user perspective down to the	
		5/3/0
3. According to <i>APUE</i> , wha	t does an operating system consist of,	
in a "broad sense"?		5/3/0
4. In the Unix File System item to its directory path	hierarchy, match the location of the	
	Essential Command Binaries	
	The Kernel	
	System Binaries generally run by the super user or administrator	5/3/2/0

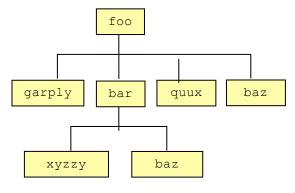
_____ Library files for Binaries

______ Standard Unix System Resources

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5. Consider the following file system hierarchy and the path: /foo/bar/../quux/../baz/../baz/../baz

15/10/5/0

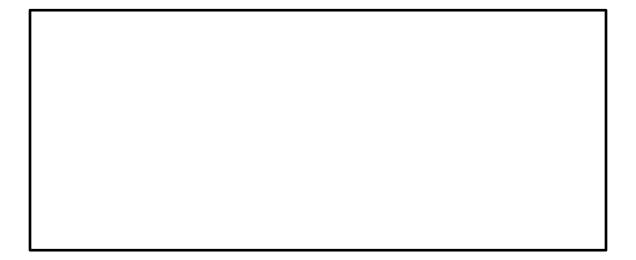


- (a) Circle the item that the path refers to.
- (b) Draw arrows indicating the items that are being referenced.
- 6. Assume you are in your home directory, and you want to create a directory structure and files that looks like this:

25/20/10/0

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Write the sequence of command line instructions to generate that file structure, assuming the present working directory is your home directory. DO NOT USE cd. Instead use complete paths.

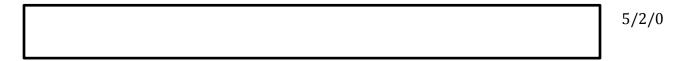


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7. Assume	the fold	lowing f	ile sys	stem st	ructure	for yo	our hom	е
directory	with she	ell's cu	rrent v	vorking	g direct	ory bei	ng you	r home
directory	. (hint:	note so	me file	es are	hidden	files,	e.g.,	start
with prece	eding .)							

What files/directories are listed when running the following commands from the current working directory (the home directory):

(a) ls

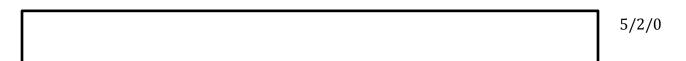


(b) ls -a 5/2/0

(c) ls -a .ssh/



(d) ls .emacs



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NAME:			

8.	Consider	the	following	ls	-1	output,	label	the	output
app	propriatel	Ly.							

drwxr-xr-x 2 aviv scs 4096 2013-12-22 10:57 demo/ -rw-r--r- 1 aviv scs 13454 2013-12-22 10:56 text.dat 7/5/0

9. For the following commands, determine in which bin directory they live using the which command.

ls cat

which _____ touch _____

head tail 13/8/4/0

tac

mv

rmdir grep

cut

chmod

10. For all of the commands above that was not covered in lecture or lab, use the man command to read the description in the Unix manual and describe its function and one of its options:

10/8/2/0

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