Spring 2015	NAME:	
HW2	COLLABORATOR(S):	
1. What are three guid	ding principles of the Unix design ph	ilosophy?
		5/3/0
2. Explain how the fol	llowing pipeline meets those principl	es:
cat sample-db.csv	grep PA head -5	
		5/3/0
	ry purpose for standard input, output	, and
error for different pr	rograms?	
		5/3/0
	wing command line with redirects .csv 2> oops > sample-db.PA.csv	5/3/1/0
a) What is the outpu	ut file?	
b) What is the input	t file?	
C) What is the error	r file?	

5. Why is it necessary to have both standard error and standard out, with respect to the Unix design philosophy?	
5,	/3/0
6. For the following command, where does the final output of the head command get written? That is, to what output file does the first 20 lines get written? Explain. 8. cat datafile head -20 2> foo cat > bar cat > baz	/5/1/0
8. Consider a situation where you want to include error output on a pipeline. You can do that using a redirect >, fill in the redirect below such that standard error is piped to cat's standard input to produce the output below.	/1/0
#>head -3 BAD_FILENAME cat BeatArmy.txt - GoNavy.txt	
Go Navy! head: BAD_FILENAME: No such file or directory Beat Army!	
(Hint: Note that $2>$ redirects the file descriptor 2 , which is standard error, to a file, but $>$ can also redirect to a file descriptor number by placing an $\&$ in front of the descriptor number.	
7. What does the following commands write to the output file file ?	
a) cat < /dev/null > file 3/1	/0
b) cat < file > /dev/null	
3/1	/0
c) head -c 20 /dev/urandom > file	
3/1	/0

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Run ic221-up and navigate to the hw scribe the output of the following l sfects what is listed:	
a) 1s chapter.*b	
	3/1/
) ls chapter.?	
	3/1/
c) ls chapter.?[ab]	
	4/3/
lowing files: chapter.ab chapter.ac apter.bb chapter.bc chapter.bd and chapter.bd	-
Navigate into the hws/02/prob10 dia	rectory. Write a glob that
	10/5
base.b/dir.a/sub.a/file.5 base.b base.c/dir.a/sub.a/file.5 base.c base.a/dir.a/sub.a/file.a base.a base.b/dir.a/sub.a/file.a base.b base.c/dir.a/sub.a/file.a base.c base.a/dir.a/sub.a/file.b base.a	/dir.b/sub.a/file.5 /dir.b/sub.a/file.5 /dir.b/sub.a/file.5 /dir.b/sub.a/file.a /dir.b/sub.a/file.a /dir.b/sub.a/file.a /dir.b/sub.a/file.b
<pre>base.c/dir.a/sub.a/file.b base.c hint: remember, globs expand across</pre>	directories,

11. Label the permission string below with the user, group, and all.	
rwx r-w r-w	3/2/1/0
12. Convert the following permission states into an octet:	
a) User: read and write; Group: read; Global: read	
	3/1/0
b) User: read and execute; Group execute; Global: none	
	3/1/0
13. Change into the hws/02/prob13 directory. Change the permissions of the program runme . What is the command you used and what is the output of execution?	
command output	2 / 4 / 2
	3/1/0
14 List the directory ~aviv/ic221/hw02/ where you will find binary called secret . Explain how you can still execute this program and describe its output.	
	12/7/5/0
15. In what configuration file are userid's and usernames defined?	2/0
16. In what configuration file are groupid's and groupnames defined?	2/0
17. What are not all group members listed in the group configuration file?	,
	2/0