Initials _____ CSSE 132

CSSE 132 – Introduction to Systems Programming Rose-Hulman Institute of Technology

Exam 1 Practice - Coding Part

Name (Print):	RHIT Username:
This part of the two-part exam is clo acceptable sources:	osed book, but you are allowed to use only these
• Your computer	
• Your assignments and labs submi	tted in your individual repository for this term
• The CSSE 132 course website and	d things directly linked from it
	et resources, instant messaging, your smartphone, or part of the exam. Use of other resources is considered a penalty grade.
Your tasks for this coding part are	e described on the back of this page.
IMPORTANT: When you are finished	with this part of the exam:
1. Add any files you created or mod	ified to your repo.
2. Commit your solutions to your re	po.
3. Push your repo to the server.	
4. Read and sign this paper below.	
5. Give this paper to your instructor	r.
· ·	am is submitted to my Git repository and I have not urce other than the acceptable sources listed above.
Your Signature:	Date:

Initials	CSSE	132
----------	------	-----

First: Use Git to pull your repository on your Linux. Look for files in the exam1practice directory. If your repository does not have this directory, immediately ask your instructor for help.

Problem 1	(6 pts) In your repository, change to the exam1practice/problem1 directory. Then issue this command: head -n 18 nappy/bawdy/data tail -n 9 head -n 1	
	Write the result:	
	Change to the exam1practice/problem1 directory again, and go in to keelhaul, then change to the selfish directory.	
	Write a <i>command-line expression</i> that, when run in the selfish directory, will print only the 10-th line of the data file.	
	Hint: this command-line expression should print out 25025	
	Your command-line expression:	
Problem 2	em 2 (4 pts) Go to the problem2 directory. Check in the numbers.txt file for the line that begins with 1154 (not the 1154-th line). Write the entire line in the s below.	
	Write the result:	
Problem 3	(45 pts) On your Linux, go to the problem3 directory.	
	• Complete the ARM assembly functions in problems.s Run make to compile and run make run to run the test.	
	• Complete the C functions in problems.c	
	Run make to compile and run ./test to run the test.	
IMF	PORTANT : When you are finished with this part of the exam:	
	Under the problem3 directory, add any files you created or modified to Git. (git add problems.c problems.c)	
	Commit your solutions to Git. (git commit -m "finish exam 1")	
	Push your repository to the Git server. (git push)	
	Double check if the push is successful. Run git logstat -1 to check 1) if the latest commit includes correct file modification information, and 2) if the first line of	

the log message includes origin/master in the parentheses.

Page 2