CSc 3320: Systems Programming

Spring 2021

Midterm 1: Total points = 100

Assigned: 26th Feb 2021: 12.01 PM

Submission Deadline: 2nd Mar 2021: 12.01 PM

(No extensions. If your submission is not received by this time then it

will NOT be accepted.)

Submission instructions:

1. Create a Google doc for your submission.

2. Start your responses from page 2 of the document and copy these instructions

on page 1.

3. Fill in your name, campus ID and panther # in the fields provided. If this

information is missing TWO POINTS WILL BE DEDUCTED.

4. Keep this page 1 intact. If this submissions instructions page is missing in your

submission TWO POINTS WILL BE DEDUCTED.

5. Start your responses to each QUESTION on a new page.

6. If you are being asked to write code copy the code into a separate txt file and

submit that as well. The code should be executable. E.g. if asked for a C script

then provide myfile.c so that we can execute that script. In your answer to the

specific question, provide the steps on how to execute your file (like a ReadMe).

7. If you are being asked to test code or run specific commands or scripts, provide

the evidence of your outputs through a screenshot and/or screen

video-recordings and copy the same into the document.

8. Upon completion, download a .PDF version of the google doc document and

submit the same along with all the supplementary files (videos, pictures, scripts

etc).

Full Name: Dang Truong

Campus ID: 002420309

Panther #: 002420309

Question 1:

To execute the file helpme.sh, type “sh helpme.sh,” and it will show a prompt for user to input a command, if the command is found in mandatabase.txt, it will print the usage of the command, but if the command is not found in the mandatabase.txt, the system will print “sorry, I cannot help you.”Text

Description automatically generated

Graphical user interface, text, email

Description automatically generated

Question 2:

the command “./keyword.sh” ask user to input a keyword and the command will search through the file myexamfile.txt for matching keyword and its occurrence(s).Text

Description automatically generated

Question 3:

To execute this the file hierarchy.sh to find the files in home directory that has not been accessed in N days and compress them use the command “./hierarchy.sh”, then the system will ask user to input the number of days, the system will displays the files that has not been accessed, then use the command “ls” to find the compress.zip file, then use “ls -ld compress.zip” to compress that file.

Text

Description automatically generated

Question 4:

the command “./entry.sh” is to add names, addresses, and telephone numbers into the book.txt file.

the command “./entries.sh” is to search for the contact the user input.

the command “./delete.sh” is to delete the contact in book.txt

Text

Description automatically generatedQuestion 5:

1. to execute the file to compute the factorial of a given number, use the command “./factorial.c”



1. to execute the file to find new integer value of an original integer, use the command “./integer.c”

