**CS3377 Assignment1 Due: 6/15 Monday Noon.**

Last Name: \_\_\_Pulliam\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

First Name: \_\_\_Drew\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

NetID (email): \_\_dtp180003\_\_\_\_\_\_\_\_\_

Submission requirements.

Submit (1) a word document (this file with your answers and listing of any program & copy and paste its run-log in a professional and presentable format and style) and (2) a zip file of a folder which will contain all the codes (all the source codes and executables, Makefile, and the instruction for how to compile and run) and a document file (.doc or .docx).

This word document (this file) is your documentation (as a basis to add your answers) to be included here - all your answers, all your program-listings, instructions to compile and run [screen-shots, terminal text, or session log] to show your work done, including how to compile and run for each cases.

The word file should also have (1) in header with the course & section number, your name (Name: last name, first name), your netID (email), and Assignment #, (2) in footer with page number, (3) line number (restart from each page in left margin. Page Layout => Line Numbers). (4) Your program should have some comments (minimal or reasonable), to tell the code-reader what a segment of code is doing, and with the comment in the front/head of the program about you, this course and assignment, etc. (you may copy and paste some out of this document for your comment).

\*\* Your executable codes (that you submit) should run in cs1.utdallas.edu without any change or recompilation.

\*\* Bring this cover sheet (this page) to TA for your demo. (Please check with TA for demo or schedule).

\*\* Upload this document file (with your answers) and a zip file (containing all the codes [source and binary etc.].

**Scoresheet**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parts** |  |  |  |  |  |  |  |
| **Part1**  **50%** | **Week02 Lab1** | **Week02 Lab2** | **Week03**  **Lab1** | **Week03**  **Lab2** | **Week03**  **Lab3** |  |  |
| **Part2 50%**  Commands  & File System  **CLO1,2,4,8** | **#1** | **#2** | **#3** | **#4** | **#5** |  | **Demo &**  **Document** |
| **Total** |  |  |  |  |  |  |  |

Note: CLO means Student Course Learning Objective (as listed in Syllabus)

**Student Learning Objectives/Outcomes**

1. Ability to use the UNIX operating system interactively as a user (commands)

2. Ability to express algorithmic solutions using shell scripting (utilities)

3. Ability to understand and use regular expressions

4. Ability to use the UNIX programming environment (editor, compiler and linker)

5. Ability to understand UNIX processes (creation and control)

6. Ability to perform input/output of binary files

7. Ability to use interprocess communication (pipes, sockets and signals)

8. Ability to understand the UNIX file system

9. Ability to understand and use version control system

|  |
| --- |
| Deduction - Documentation (this .doc file) and upload  Max -10% if not done or poorly prepared |
| Deduction for Demo (Demo time-slots may be scheduled by TA later, for you to do the demo).  Max -10%. |

Note. Any "poor" documentation (that is, this document with your answers etc.) may result in a penalty (up to -10%).

Upload this document file (this file with your answers) and a zip file (containing all the codes [source and binary etc.] and its run log or results. All the code should run in cs1 without any change).

\*\* A demo (of your assignment) will be announced and scheduled by TA. Your demo should be done within the week of the due date. For any scheduling conflict, please contact or consult with TA (or the instructor) for your situation, and/or for alternate time or discretion as soon as possible, before the due.

**Assignment1 Part1**

Assignment1 Part1 consists of weekly activity items (labs) in Week02 and Week03 Activity folders:

Week02 Lab1 – ssh to cs1, login & logout, a few commands

Week02 Lab2 – hello.c program to cs1, to be compiled and run

Week03 Lab1 – Sobell Ch03 Lab – commands

Week03 Lab2 – Sobell Ch04 Lab – File System

Week03 Lab3 – Makefile with hello.c program

Provide each of your lab that you have prepared submitted in your lab document below (copy and paste below).

Have a page break for each lab to start. Provide a proper heading and subheading of each lab (and each part of the lab) in a presentable manner. You may view and take the example of the layout and format from the sample lab report.

For the log or output of your session (e.g., in cs1), you should use the font (Courier New) to have an alignment of the text and the font size (8 to 10) as shown below.

{cslinux1:~} cat hello.c

#include <stdio.h>

#include <stdlib.h>

int main()

{

// this is richard min

printf("Hello World\n"); // OK waw hello Richard and ok Richard

exit(0); // end of the program

}

{cslinux1:~} gcc hello.c -o hello

{cslinux1:~} ./hello

Hello World

Place your lab reports in the next page and thereafter.

**Your Lab reports to be placed here.**

**CS3377.0W1 Week 2 Lab 1**

**Drew Pulliam - DTP180003**

**(Documentation with Terminal Log)**

┌────────────────────────────────────────────────────────────────────┐

│ • MobaXterm 20.2 • │

│ (SSH client, X-server and networking tools) │

│ │

│ → SSH session to dtp180003@cslinux1.utdallas.edu │

│ • SSH compression : v │

│ • SSH-browser : v │

│ • X11-forwarding : v (remote display is forwarded through SSH) │

│ • DISPLAY : v (automatically set on remote server) │

│ │

│ → For more info, ctrl+click on help or visit our website │

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csgrads1.utdallas.edu - CentOS Linux 7.8

--All CS Graduate Students should use csgrads1--

cs1.utdallas.edu - CentOS Linux 7.8

cs2.utdallas.edu - CentOS Linux 7.8

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This system is for use by CS students who need a general purpose Linux system

to complete homework assignments. Computationally or resource intensive

simulations will be throttled automatically.

{cslinux1:~} ls

perl5 public\_html test.txt

{cslinux1:~} date

Sat Jun 6 17:43:26 CDT 2020

{cslinux1:~} pwd

/home/013/d/dt/dtp180003

{cslinux1:~} touch testfile

{cslinux1:~} ls

perl5 public\_html testfile test.txt

{cslinux1:~} xclock

Warning: Missing charsets in String to FontSet conversion

{cslinux1:~} which xclock

/usr/bin/xclock

{cslinux1:~} xclock &

[1] 31047

{cslinux1:~} Warning: Missing charsets in String to FontSet conversion

**CS3377.0W1 Week 2 Lab 2**

**Drew Pulliam - DTP180003**

**(Documentation with Terminal Log)**

┌────────────────────────────────────────────────────────────────────┐

│ • MobaXterm 20.2 • │

│ (SSH client, X-server and networking tools) │

│ │

│ → SSH session to dtp180003@cslinux1.utdallas.edu │

│ • SSH compression : v │

│ • SSH-browser : v │

│ • X11-forwarding : v (remote display is forwarded through SSH) │

│ • DISPLAY : v (automatically set on remote server) │

│ │

│ → For more info, ctrl+click on help or visit our website │

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csgrads1.utdallas.edu - CentOS Linux 7.8

--All CS Graduate Students should use csgrads1--

cs1.utdallas.edu - CentOS Linux 7.8

cs2.utdallas.edu - CentOS Linux 7.8

\*\*\*---\*\*\*---\*\*\*---\*\*\*---\*\*\*---\*\*\*

This system is for use by CS students who need a general purpose Linux system

to complete homework assignments. Computationally or resource intensive

simulations will be throttled automatically.

Thank you,

CS Lab Manager

cs-labs@utdallas.edu

/scratch disk space can be used for temporary files.

All files within /scratch will be erased on a regular basis (Sunday 0300).

{cslinux1:~} ls

hello.c perl5 public\_html testfile test.txt

{cslinux1:~} gcc hello.c -o hello

{cslinux1:~} ./hello

Hello World

{cslinux1:~}

**CS3377.0W1 Week 3 Lab 1**

**Drew Pulliam - DTP180003**

**(Documentation with Terminal Log)**

┌────────────────────────────────────────────────────────────────────┐

│ • MobaXterm 20.2 • │

│ (SSH client, X-server and networking tools) │

│ │

│ → SSH session to dtp180003@cslinux1.utdallas.edu │

│ • SSH compression : v │

│ • SSH-browser : v │

│ • X11-forwarding : v (remote display is forwarded through SSH) │

│ • DISPLAY : v (automatically set on remote server) │

│ │

│ → For more info, ctrl+click on help or visit our website │

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1. **Create and edit new file name practice**

{cslinux1:~} vim practice

1. **Use ls to list files (including practice)**

{cslinux1:~} ls

hello hello.c perl5 practice public\_html testfile test.txt

{cslinux1:~} ls practice xxxx

ls: cannot access xxxx: No such file or directory

practice

{cslinux1:~} ls practice

Practice

1. **Use cat to display contents of practice file**

{cslinux1:~} cat practice

this is

my practice file.

1. **Use cp to copy practice file**

{cslinux1:~} cp practice

cp: missing destination file operand after ‘practice’

Try 'cp --help' for more information.

{cslinux1:~} cp practice practiceCopy

{cslinux1:~} ls

hello hello.c perl5 practice practiceCopy public\_html testfile test.txt

1. **Use rm to delete the original practice file (keeping the copy)**

{cslinux1:~} rm practice

rm: remove regular file ‘practice’? y

{cslinux1:~} ls

hello hello.c perl5 practiceCopy public\_html testfile test.txt

{cslinux1:~} cat practice

cat: practice: No such file or directory

1. **Use less to show large file in multiple screens**

{cslinux1:~} less /etc/services

1. **Use head to show first 10 lines of large file**

{cslinux1:~} head /etc/services

# /etc/services:

# $Id: services,v 1.55 2013/04/14 ovasik Exp $

#

# Network services, Internet style

# IANA services version: last updated 2013-04-10

#

# Note that it is presently the policy of IANA to assign a single well-known

# port number for both TCP and UDP; hence, most entries here have two entries

# even if the protocol doesn't support UDP operations.

# Updated from RFC 1700, ``Assigned Numbers'' (October 1994). Not all ports

1. **Use tail to show last 10 lines of large file**

{cslinux1:~} tail /etc//services

3gpp-cbsp 48049/tcp # 3GPP Cell Broadcast Service Protocol

isnetserv 48128/tcp # Image Systems Network Services

isnetserv 48128/udp # Image Systems Network Services

blp5 48129/tcp # Bloomberg locator

blp5 48129/udp # Bloomberg locator

com-bardac-dw 48556/tcp # com-bardac-dw

com-bardac-dw 48556/udp # com-bardac-dw

iqobject 48619/tcp # iqobject

iqobject 48619/udp # iqobject

matahari 49000/tcp # Matahari Broker

1. **Check hostname of this system**

{cslinux1:~} hostname

cslinux1.utdallas.edu

1. **Use mv to rename file**

{cslinux1:~} mv practiceCopy practiceCopyRename

{cslinux1:~} ls

hello hello.c perl5 practiceCopyRename public\_html testfile test.txt

1. **Use grep to search for string of chars in file**

{cslinux1:~} grep is practiceCopyRename

this is

1. **Use vim to create file named days**

{cslinux1:~} vim days

{cslinux1:~} cat days

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

1. **Use sort to display days in alphabetical order**

{cslinux1:~} sort days

Friday

Monday

Saturday

Sunday

Thursday

Tuesday

Wednesday

1. **Use file to determine contents of file**

{cslinux1:~} file days

days: ASCII text

{cslinux1:~} file /etc/

/etc/: directory

{cslinux1:~} file /etc/services

/etc/services: C source, ASCII text

{cslinux1:~}

**CS3377.0W1 Week 3 Lab 2**

**Drew Pulliam - DTP180003**

**(Documentation with Terminal Log)**

1. **Test cd and pwd**

{cslinux1:~} cd

{cslinux1:~} pwd

/home/013/d/dt/dtp180003

1. **Make a directory named two**

{cslinux1:~} mkdir two

{cslinux1:~} file two/

two/: directory

1. **Change working directory to two using cd command**

{cslinux1:~} cd two

{cslinux1:~/two} pwd

/home/013/d/dt/dtp180003/two

1. **Create a new file named fox**

{cslinux1:~/two} vim fox

{cslinux1:~/two} ls

Fox

1. **Use ls with an absolute pathname**

{cslinux1:~/two} ls /home/013/d/dt/dtp180003/two

Fox

1. **Go back to home directory and use ls to display contents of two**

{cslinux1:~/two} cd

{cslinux1:~} ls two

Fox

1. **Use rmdir to delete two after deleting fox**

{cslinux1:~} rmdir two

rmdir: failed to remove ‘two’: Directory not empty

{cslinux1:~} rm two/fox

rm: remove regular file ‘two/fox’? y

{cslinux1:~} rmdir two

**CS3377.0W1 Week 3 Lab 3**

**Drew Pulliam - DTP180003**

**(Documentation with Terminal Log)**

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│ • MobaXterm 20.2 • │

│ (SSH client, X-server and networking tools) │

│ │

│ → SSH session to dtp180003@cslinux1.utdallas.edu │

│ • SSH compression : v │

│ • SSH-browser : v │

│ • X11-forwarding : v (remote display is forwarded through SSH) │

│ • DISPLAY : v (automatically set on remote server) │

│ │

│ → For more info, ctrl+click on help or visit our website │

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1. **Create new directory for lab 3 and move files from my local computer to this folder**

{cslinux1:~} mkdir cs3377week3lab3

{cslinux1:~} cd cs3377week3lab3/

{cslinux1:~/cs3377week3lab3} ls

hello.c Makefile

1. **Use make to compile the hello.c program**

{cslinux1:~/cs3377week3lab3} make

gcc -o hello hello.c

1. **Check to make sure the program compiled**

{cslinux1:~/cs3377week3lab3} ls

hello hello.c Makefile

1. **Run hello to print “Hello World”**

{cslinux1:~/cs3377week3lab3} ./hello

Hello World

**Assignment1 Part2**

**First, create a folder as shown below.**

\*\* Do this part using cs1.utdallas.edu

First, create a directory named cs3377 (if you have not created it yet). All of your work for cs3377 assignment(s) should be placed here for cs3377.

Second, create a subdirectory A1-netid in cs3377 directory (where netid is your UTD netid, for example, A1-rkm010300). All of your work for cs3377 Assignment1 Part2 should be placed here.

You should be able to go to A1-netid directory by typing: cd $HOME/cs3377/A1-netid

**Use command(s) to create directories and files as shown below.**

Task#1.

After you created a directory named A1-netid in cs3377 (where all of your work for Assignment1 part2 should be placed here), do the following commands to show that you have created A1-netid directory.

cd $HOME/cs3377/A1-netid

date

whoami

uname -a

ls -lR

Copy and paste the run-log of your command and its output here (console output or screenshot for this task)

|  |
| --- |
| {cslinux1:~/cs3377/A1-dtp180003} cd $HOME/cs3377/A1-dtp180003  ln  {cslinux1:~/cs3377/A1-dtp180003} date  Mon Jun 15 15:32:12 CDT 2020  {cslinux1:~/cs3377/A1-dtp180003} whoami  dtp180003  {cslinux1:~/cs3377/A1-dtp180003} uname -a  Linux cslinux1.utdallas.edu 3.10.0-1127.8.2.el7.x86\_64 #1 SMP Tue May 12 16:57:42 UTC 2020 x86\_64 x86\_64 x86\_64 GNU/Linux  {cslinux1:~/cs3377/A1-dtp180003} ls -lR  .:  total 0 |

Task#2.

Create all the files and directories (all in A1-netid directory) as shown and explained below.

As shown below, you will create a few subdirectories in your current directory, a few files, and a symbolic-link (link5) as shown below. Note. to create a symbolic link of a file, you use "ln" command.

file1.txt

file2.txt

link5

file4.txt

file3.txt

Note. Using the commands (e.g., cd, mkdir, touch, ln), you will create the directory and its subdirectories and files.

For example, to create a directory: dir1,

mkdir dir1

After creating these folders and files (including link5) shown above, do the following commands to show that you have done the task in A1-netid directory.

cd $HOME/cs3377/A1-netid

date > ./dir1/file1.txt

uname -a > ./dir1/file2.txt

whoami > ./dir2/file3.txt

ls -l > ./dir2/file4.txt

ls -lR > task2log.txt

ls -lR

ls -lR | wc

Copy and paste the run-output of your work here

|  |
| --- |
| {cslinux1:~} cd $HOME/cs3377/A1-dtp180003  {cslinux1:~/cs3377/A1-dtp180003} date > ./dir1/file1.txt  {cslinux1:~/cs3377/A1-dtp180003} uname -a > ./dir1/file2.txt  {cslinux1:~/cs3377/A1-dtp180003} whoami > ./dir2/file3.txt  {cslinux1:~/cs3377/A1-dtp180003} ls -l > ./dir2/file4.txt  {cslinux1:~/cs3377/A1-dtp180003} ls -LR > task2log.txt  {cslinux1:~/cs3377/A1-dtp180003} ls -lR  .:  total 120  drwx--x--x 2 dtp180003 sn 54 Jun 15 15:36 dir1  drwx--x--x 2 dtp180003 sn 54 Jun 15 15:43 dir2  drwx--x--x 2 dtp180003 sn 23 Jun 15 15:44 dir3  -rw------- 1 dtp180003 sn 104 Jun 15 15:46 task2log.txt  ./dir1:  total 96  -rw------- 1 dtp180003 sn 29 Jun 15 15:45 file1.txt  -rw------- 1 dtp180003 sn 122 Jun 15 15:45 file2.txt  ./dir2:  total 96  -rw------- 1 dtp180003 sn 10 Jun 15 15:46 file3.txt  -rw------- 1 dtp180003 sn 150 Jun 15 15:46 file4.txt  ./dir3:  total 24  lrwxrwxrwx 1 dtp180003 sn 59 Jun 15 15:44 link5 -> /home/013/d/dt/dtp180003/cs3377/A1-dtp180003/dir2/file4.txt  {cslinux1:~/cs3377/A1-dtp180003} ls -lR | wc  20 95 590 |

Task#3.

To change the file attribute of each file as follows:

all the files (and subdirectories and files if any) in dir1 with "rwx r-x ---"

all the files (and subdirectories and files if any) in dir2 with "rwx --- ---"

After the task is done, do the following commands to show that you have done the task in A1-netid directory.

cd $HOME/cs3377/A1-netid

ls -lR > task3log.txt

ls -lR

ls -lR | wc

Copy and paste the run-output of your work here

|  |
| --- |
| {cslinux1:~} cd $HOME/cs3377/A1-dtp180003  {cslinux1:~/cs3377/A1-dtp180003} ls -lR > task3log.txt  {cslinux1:~/cs3377/A1-dtp180003} ls -lR  .:  total 168  drwx--x--x 2 dtp180003 sn 54 Jun 15 15:36 dir1  drwx--x--x 2 dtp180003 sn 54 Jun 15 15:43 dir2  drwx--x--x 2 dtp180003 sn 23 Jun 15 15:44 dir3  -rw------- 1 dtp180003 sn 104 Jun 15 15:46 task2log.txt  -rw------- 1 dtp180003 sn 646 Jun 15 15:57 task3log.txt  ./dir1:  total 96  -rwxr-x--- 1 dtp180003 sn 29 Jun 15 15:45 file1.txt  -rwxr-x--- 1 dtp180003 sn 122 Jun 15 15:45 file2.txt  ./dir2:  total 96  -rwx------ 1 dtp180003 sn 10 Jun 15 15:46 file3.txt  -rwx------ 1 dtp180003 sn 150 Jun 15 15:46 file4.txt  ./dir3:  total 24  lrwxrwxrwx 1 dtp180003 sn 59 Jun 15 15:44 link5 -> /home/013/d/dt/dtp180003/cs3377/A1-dtp180003/dir2/file4.txt  {cslinux1:~/cs3377/A1-dtp180003} ls -lR | wc  21 104 646 |

Task#4. Read Sobell on ls command (pages 861-868).

Do ls command with various options shown below with options. Show your result of each command.

Your current working directory is A1-netid.

Note that you should use dash ("-" or "--") for command option(s) here.

whoami

date

uname -a

touch task4log.txt

ls -lR --si >> task4log.txt

ls -lR --sort=time >> task4log.txt

ls -lR --sort=size >> task4log.txt

(1) ls -lR --si

(2) ls -lR --sort=time

(3) ls -lR --sort=size

(4) ls -lR | wc

Copy and paste the run-output of your work here

|  |
| --- |
| {cslinux1:~/cs3377/A1-dtp180003} whoami  dtp180003  {cslinux1:~/cs3377/A1-dtp180003} date  Mon Jun 15 16:32:35 CDT 2020  {cslinux1:~/cs3377/A1-dtp180003} uname -a  Linux cslinux1.utdallas.edu 3.10.0-1127.8.2.el7.x86\_64 #1 SMP Tue May 12 16:57:42 UTC 2020 x86\_64 x86\_64 x86\_64 GNU/Linux  {cslinux1:~/cs3377/A1-dtp180003} touch task4log.txt  {cslinux1:~/cs3377/A1-dtp180003} ls -lR --si >> task4log.txt  {cslinux1:~/cs3377/A1-dtp180003} ls -lR --sort=time >> task4log.txt  {cslinux1:~/cs3377/A1-dtp180003} ls -lR --sort=size >> task4log.txt  {cslinux1:~/cs3377/A1-dtp180003} ls -lR --si  .:  total 246k  drwx--x--x 2 dtp180003 sn 54 Jun 15 15:36 dir1  drwx--x--x 2 dtp180003 sn 54 Jun 15 15:43 dir2  drwx--x--x 2 dtp180003 sn 23 Jun 15 15:44 dir3  -rw------- 1 dtp180003 sn 104 Jun 15 15:46 task2log.txt  -rw------- 1 dtp180003 sn 646 Jun 15 15:57 task3log.txt  -rw------- 1 dtp180003 sn 2.2k Jun 15 16:33 task4log.txt  ./dir1:  total 99k  -rwxr-x--- 1 dtp180003 sn 29 Jun 15 15:45 file1.txt  -rwxr-x--- 1 dtp180003 sn 122 Jun 15 15:45 file2.txt  ./dir2:  total 99k  -rwx------ 1 dtp180003 sn 10 Jun 15 15:46 file3.txt  -rwx------ 1 dtp180003 sn 150 Jun 15 15:46 file4.txt  ./dir3:  total 25k  lrwxrwxrwx 1 dtp180003 sn 59 Jun 15 15:44 link5 -> /home/013/d/dt/dtp180003/cs3377/A1-dtp180003/dir2/file4.txt  {cslinux1:~/cs3377/A1-dtp180003} ls -lR --sort=time  .:  total 240  -rw------- 1 dtp180003 sn 2116 Jun 15 16:33 task4log.txt  -rw------- 1 dtp180003 sn 646 Jun 15 15:57 task3log.txt  -rw------- 1 dtp180003 sn 104 Jun 15 15:46 task2log.txt  drwx--x--x 2 dtp180003 sn 23 Jun 15 15:44 dir3  drwx--x--x 2 dtp180003 sn 54 Jun 15 15:43 dir2  drwx--x--x 2 dtp180003 sn 54 Jun 15 15:36 dir1  ./dir3:  total 24  lrwxrwxrwx 1 dtp180003 sn 59 Jun 15 15:44 link5 -> /home/013/d/dt/dtp180003/cs3377/A1-dtp180003/dir2/file4.txt  ./dir2:  total 96  -rwx------ 1 dtp180003 sn 150 Jun 15 15:46 file4.txt  -rwx------ 1 dtp180003 sn 10 Jun 15 15:46 file3.txt  ./dir1:  total 96  -rwxr-x--- 1 dtp180003 sn 122 Jun 15 15:45 file2.txt  -rwxr-x--- 1 dtp180003 sn 29 Jun 15 15:45 file1.txt  {cslinux1:~/cs3377/A1-dtp180003} ls -lR --sort=size  .:  total 240  -rw------- 1 dtp180003 sn 2116 Jun 15 16:33 task4log.txt  -rw------- 1 dtp180003 sn 646 Jun 15 15:57 task3log.txt  -rw------- 1 dtp180003 sn 104 Jun 15 15:46 task2log.txt  drwx--x--x 2 dtp180003 sn 54 Jun 15 15:36 dir1  drwx--x--x 2 dtp180003 sn 54 Jun 15 15:43 dir2  drwx--x--x 2 dtp180003 sn 23 Jun 15 15:44 dir3  ./dir1:  total 96  -rwxr-x--- 1 dtp180003 sn 122 Jun 15 15:45 file2.txt  -rwxr-x--- 1 dtp180003 sn 29 Jun 15 15:45 file1.txt  ./dir2:  total 96  -rwx------ 1 dtp180003 sn 150 Jun 15 15:46 file4.txt  -rwx------ 1 dtp180003 sn 10 Jun 15 15:46 file3.txt  ./dir3:  total 24  lrwxrwxrwx 1 dtp180003 sn 59 Jun 15 15:44 link5 -> /home/013/d/dt/dtp180003/cs3377/A1-dtp180003/dir2/file4.txt  {cslinux1:~/cs3377/A1-dtp180003} ls -lR | wc  22 113 708 |

Task #5

You are currently in cs3377 directory.

Archive the directory and all the files and subdirectories in it, to create

(1) A1-netid.tar using tar command

(2) A1-netid.zip using zip

(3) A1-netid.gzip using gzip, by running the gzip command on A1-netid.tar file in (1)

Show the details of these files (once all are done) with ls as shown below.

cd $HOME/cs3377/A1-netid

whoami

date

hostname

ls -lR > task5log.txt

ls -lR

ls -lR | wc

Copy and paste the run-output of your work here

|  |
| --- |
| {cslinux1:~} cd $HOME/cs3377/A1-dtp180003  {cslinux1:~/cs3377/A1-dtp180003} whoami  dtp180003  {cslinux1:~/cs3377/A1-dtp180003} date  Mon Jun 15 16:43:56 CDT 2020  {cslinux1:~/cs3377/A1-dtp180003} hostname  cslinux1.utdallas.edu  {cslinux1:~/cs3377/A1-dtp180003} ls -lR > task5log.txt  {cslinux1:~/cs3377/A1-dtp180003} ls -lR  .:  total 264  drwx--x--x 2 dtp180003 sn 54 Jun 15 15:36 dir1  drwx--x--x 2 dtp180003 sn 54 Jun 15 15:43 dir2  drwx--x--x 2 dtp180003 sn 23 Jun 15 15:44 dir3  -rw------- 1 dtp180003 sn 104 Jun 15 15:46 task2log.txt  -rw------- 1 dtp180003 sn 646 Jun 15 15:57 task3log.txt  -rw------- 1 dtp180003 sn 2116 Jun 15 16:33 task4log.txt  -rw------- 1 dtp180003 sn 765 Jun 15 16:44 task5log.txt  ./dir1:  total 96  -rwxr-x--- 1 dtp180003 sn 29 Jun 15 15:45 file1.txt  -rwxr-x--- 1 dtp180003 sn 122 Jun 15 15:45 file2.txt  ./dir2:  total 96  -rwx------ 1 dtp180003 sn 10 Jun 15 15:46 file3.txt  -rwx------ 1 dtp180003 sn 150 Jun 15 15:46 file4.txt  ./dir3:  total 24  lrwxrwxrwx 1 dtp180003 sn 59 Jun 15 15:44 link5 -> /home/013/d/dt/dtp180003/cs3377/A1-dtp180003/dir2/file4.txt  {cslinux1:~/cs3377/A1-dtp180003} ls -lR | wc  23 122 765 |