LONDON METROPOLITAN UNIVERSITY

Islington college
(इस्लिङ्टन कलेज)

Module Code & Module Title

CS5001NA Networks and Operating System

Assessment Weightage & Type

10% Individual Coursework

Year and Semester

2018-19 Autumn

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Assignment Due Date: 4th February, 2019.

Assignment Submission Date: 4th February, 2019.

Word Count (Where Required):

I confirm that I understand my coursework needs to be submitted online via Google Classroom under the relevant module page before the deadline in order for my assignment to be accepted and marked. I am fully aware that late submissions will be treated as non-submission and a marks of zero will be awarded.

Contents

1. INTRODUCTION

UNIX is an operating system which was first introduced in 1969 (Raymond, 2003). UNIX is considered to be a stable, multi-user, multi-tasking system for computing environment. The systems of UNIX have a graphical user interface (GUI) which makes the environment easy to use. But, for the operations, the user needs to have knowledge of UNIX as the operations are performed with the graphical environment (Anon., 2000).

To operate the system, every UNIX system has a command line interface. Once we learn how to use the command line interface, programmers can use it to write scripts. As we gain more knowledge about the UNIX interface, it can be considered that the command line is much more flexible compared to the GUI. The programs are designed to be used together from the command line, providing an infinite number of combinations to perform infinite number of tasks (Dave Taylor, n.d.).

To use the UNIX operating system, we used a virtual operating system simulation software known as Oracle VM VirualBox. It is a powerful x86 and AMD64/Intel64 virtualization product (Anon., n.d.). The primarily purpose of using Virtual Box is to run multiple operating systems simultaneously.

2. TRANSCRIRT

#Task 1

Mkdir –p WorldCup/{Argentina, France, Germany, Brazil,Japan}

ls WorldCup

#Task 2

Cd WorldCup/Argentina

Pwd

Touch Messi Dybala Maria

#Task 3

rm –i Messi Dybala Maria

yes

yes

yes

cd../;rm –r Argentina

ls

#Task 4

echo “

Hello! I am proud to be part of Islingtonians.

14<(2+2) ”

pwd

cd Japan

pwd

#Task 5

pwd; cd; pwd

echo “

pwd; cd; pwd displays the directory where you’re working, changes the directory to home then breaks the command line.”

#Task 6

cd WorldCup/Japan

pwd;cd ..;pwd;cd ..;pwd

echo “

Displays the directory path and changes the directory to parent folder twice.”

#***Task 7***

cd;pwd

ls

ls –a

ls –al

echo “

cd;pwd changes the directory to home directory and displays the directory path.

ls displays all the files and folders of current directory.

ls –a displays all files including hidden ones of the current directory.

ls –al displays all files and folders along with their permissions. ”

#***Task 8***

cd;pwd;cd cw2;pwd

echo “

changes the working directory to mentioned directory or home directory and displays the working directory. ”

ls –R

echo “

displays subdirectories of folders recursively of current directory.”

#***Task 9***

cd WorldCup/France

touch testX testy testZ

cat > testX

aaabb Aaaaa

AAAAA

bbbcc Bbbbb

BBBBB

ff-ff Ccccc

CCCCC

cccdd Ddddd

DDDD

(ctrl+D)

cat > testY

aaabb Aaaaa

AAAAA

bbbcc Bbbbb

BBBBB

ff-ff Ccccc

CCCCC

cccdd Ddddd

DDDDD

(ctrl+D)

cat > testZ

aaabb Aaaaa

AAAAA

bbbcc Bbbbb

BBBBB

ff-ff Ccccc

CCCCC

cccdd Ddddd

DDDDD

(ctrl+D)

#Task 10

cat testX

cat testY

cat testZ

#Task 11

cp testX ../Brazil

cp testY ../Brazil

cp testZ ../Brazil

#Task 12

cat testX testY testZ

cat testX testY testZ > testResult

cat testX – testY >> testResult

This is concatenating into two files.

#Task 13

cat test[XYZ]

echo “

It concatenates the contents of three files while displaying.”

#Task 14

ls –l

chmod 000 testX

ls –l testX

cat testX

cat >> testX

chmod 600 testX

ls –l testX

cat testX

cat >> testX

Permission granted.

#Task 15

cd ../

ls –ld France

chmod 000 France

ls –l France

cat France/testX

touch France/newFile

ls France

chmod 700 France

ls –ld France

cat France/testX

touch France/newFile

ls France

#Task 16

grep bb testX

echo “

Highlights all bb in testX.”

grep –v bb testX

echo “

Removes bb from testX while displaying.”

grep –n bb testX

echo “

Displays bb in testX along with line number.”

grep –l bb *

echo “

Displays the files containing bb.”

grep –i bb *

echo”

Displays where bb is in very file of the directory.”

grep –c bb *

echo “

Counts bb in the current directory.”

grep –n ‘^’ testX

echo “

Shows content with line number.”

#Task 17

alias lsR= ‘ls –R’

alias

cd ../ ../

lsR

#Task 18

unalias lsR

alias

#Task 19

nano .bashrc

alias lsR= ‘ls –R’

cat .bashrc

lsR

#Task 20

cat > .aliasFile

alias noAllf= ‘ls –a | wc –l’

nano .bashrc

source .aliasFile

#Task 21

cat >> .aliasFile

Alias noAsubsir= ‘ls –aR | wc –l’

. . bashrc

#Task 22

cat >> .aliasFile

alias noAcs= ‘ls –aR | grep ^[g,t,w]’

alias

cat .aliasFile

#Task 23

noAllf

#Task 24

noAsubsir

#Task 25

noAcs

#Task 26

Fc –l

#Task 27

Fc –e- -7

#Task 28

Fc –e- -c

3. CONCLUSION

The tasks are completed successfully and recorded in the script file named 17030696cw2. In addition, some rubbish is also cleaned before finalizing the report.

4. REFERENCES

Bibliography

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