Jerrad Monagan

COP4640 Introduction to OS

Project 4

4/4/17

[redacted ipconfig and volume info for privacy]

c:\>type bash.bat

ECHO off

SETLOCAL ENABLEEXTENSIONS

SET me=%~n0

SET parent=%~dp0

title Jerrad Monagan Project 4

ECHO Welcome to the Linux Bash Command Line simulator!

ECHO Enter your commands below

:Start

SET /P %command="lcl>”

FOR /F "tokens=1,2,3 delims= " %%a in (“%command%”) do (

set command1=%%a

set command2=%%b

set command3=%%c)

set check=true

if "%command1%"=="ls" (echo using DOS commmand: dir %command2%

dir %command2%

echo done

goto :Start)

if "%command1%"=="cp" (goto :checkCP)

if "%command1%"=="rm" (goto :checkRm)

if "%command1%"=="mv" (goto :checkMv)

if "%command1%"=="cd" (goto :checkCd)

if "%command1%"=="ifconfig" (goto :ifconfig)

if "%command1%"=="pwd" (goto :pwd)

if "%command1%"=="help" (goto :help)

if "%command1%"=="exit" (goto :EndNow

) else (echo ERROR: unrecoginized command

goto :Start)

:checkCP

if "%command2%"=="" (set check=false)

if "%command3%"=="" (set check=false)

if "%check%"=="false" (echo usage: cp sourcefile destinationfile

goto :Start) else (

echo using Dos command: copy %command2% %command3%

copy %command2% %command3%

echo done

goto :Start

)

:checkRm

if "%command2%"=="" (set check=false)

if "%check%"=="false" (echo usage: rm sourcefile

goto :Start) else (

echo using Dos command: del %command2%

del %command2%

echo done

goto :Start

)

:checkMv

if "%command2%"=="" (set check=false)

if "%command3%"=="" (set check=false)

if "%check%"=="false" (echo usage: mv sourcefile destinationfile

goto :Start) else (

echo using Dos command: copy %command2% %command3%

copy %command2% %command3%

echo done

goto :Start

)

:checkCd

if "%command2%"=="" (set check=false)

if "%check%"=="false" (echo "usage: cd sourcefile"

goto :Start) else (

echo using Dos command: cd %command2%

cd %command2%

echo done

goto :Start

)

:ifconfig

echo using Dos command: ipconfig

ipconfig

goto :Start

:pwd

echo using Dos command: %%cd%%

echo %cd%

goto :Start

:help

echo ls: list directory contents: ls [FILE]...

echo cp: copy files and directories: cp SOURCE... DIRECTORY

echo rm: delete files or directories: rm FILE...

echo mv: move files: mv SOURCE... DIRECTORY

echo cd: change directory: cd SOURCE...

echo ifconfig: configure a network interface: ifconfig

echo help: a menu of available commands help

echo exit: ends application: exit

goto :Start

:EndNow

Pause

**Testing:**

c:\>bash.bat

c:\>ECHO off

Welcome to the Linux Bash Command Line simulator!

Enter your commands below

lcl>ls

using DOS commmand: dir

Volume in drive C is BOOTCAMP

Volume Serial Number is

Directory of c:\

05/08/2016 12:00 PM 116 AppleBcInstaller.log

04/04/2017 04:47 PM 2,460 bash.bat

04/04/2017 04:48 PM 4 input.txt

05/04/2016 03:08 AM <DIR> Intel

02/13/2016 09:18 AM <DIR> Logs

03/01/2017 11:36 AM 3,063,808 MovieDB.bak

07/16/2016 07:47 AM <DIR> PerfLogs

08/28/2016 02:30 PM 2,977 Presidents.txt

04/04/2017 12:37 PM <DIR> Program Files

03/02/2017 02:29 PM <DIR> Program Files (x86)

03/02/2017 02:08 PM <DIR> SymCache

03/01/2017 12:12 PM <DIR> Users

04/04/2017 12:19 PM <DIR> Windows

5 File(s) 3,069,365 bytes

8 Dir(s) 38,307,049,472 bytes free

done

lcl>cp

usage: cp sourcefile destinationfile

lcl>cp 1.txt c:\test\

using Dos command: copy 1.txt c:\test\

1 file(s) copied.

Done

lcl>rm

usage: rm sourcefile

lcl>rm c:\test\1.txt

using Dos command: del c:\test\1.txt

done

lcl>mv

usage: mv sourcefile destinationfile

lcl>mv 1.txt c:\test

using Dos command: copy 1.txt c:\test

1 file(s) copied.

Done

lcl>cd

"usage: cd sourcefile"

lcl>cd c:\test

using Dos command: cd c:\test

done

lcl>ifconfig

using Dos command: ipconfig

[Redacted]

lcl>pwd

using Dos command: %cd%

c:\test

lcl>help

ls: list directory contents: ls [FILE]...

cp: copy files and directories: cp SOURCE... DIRECTORY

rm: delete files or directories: rm FILE...

mv: move files: mv SOURCE... DIRECTORY

cd: change directory: cd SOURCE...

ifconfig: configure a network interface: ifconfig

help: a menu of available commands help

exit: ends application: exit

lcl>hdgshjgh

ERROR: unrecoginized command

Lcl>exit