**CS3377.0W1 Week 5 Lab 2**

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**(Documentation with Terminal Log)**

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│ • MobaXterm 20.2 • │

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

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│ → 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) │

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

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1. **Create a script named all that displays calling program + parameters**

{cslinux1:~/cs3377} vim all

{cslinux1:~/cs3377} chmod 700 all

{cslinux1:~/cs3377} ./all

calling program = ./all

number of parameters = 0

parameters =

{cslinux1:~/cs3377} ./all one

calling program = ./all

number of parameters = 1

parameters = one

{cslinux1:~/cs3377} ./all one two three four five

calling program = ./all

number of parameters = 5

parameters = one two three four five

1. **Create symbolic link linkto for all script**

{cslinux1:~/cs3377} ln -s all linkto

{cslinux1:~/cs3377} ./linkto

calling program = ./linkto

number of parameters = 0

parameters =

1. **Create script myname that prompts user for their name**

{cslinux1:~/cs3377} vim myname

{cslinux1:~/cs3377} chmod 700 myname

{cslinux1:~/cs3377} ./myname

Enter your name:

Drew

Hello Drew

1. **Rewrite myname2 to print to a file instead of the screen**

{cslinux1:~/cs3377} vim myname2

{cslinux1:~/cs3377} chmod 700 myname2

{cslinux1:~/cs3377} ./myname2

Enter your name:

john

wrote to 35086.name

{cslinux1:~/cs3377} cat 35086.name

John

1. **Write script looper that prints all arguments on separate lines**

{cslinux1:~/cs3377} vim looper

{cslinux1:~/cs3377} chmod 700 looper

{cslinux1:~/cs3377} ./looper one two three

one

two

three

{cslinux1:~/cs3377} cat looper

#!/bin/bash

for arg

do

echo "$arg"

done

1. **Rewrite looper 2 to do the same with a for…in control structure**

{cslinux1:~/cs3377} vim looper2

{cslinux1:~/cs3377} chmod 700 looper2

{cslinux1:~/cs3377} ./looper2 one two three

one

two

three

{cslinux1:~/cs3377} cat looper2

#!/bin/bash

for i in $@

do

echo "$i"

done

1. **Write script ifthen that prompts user and checks for null input**

{cslinux1:~/cs3377} vim ifthen

{cslinux1:~/cs3377} chmod 700 ifthen

{cslinux1:~/cs3377} ./ifthen

>>

Where is your input?

{cslinux1:~/cs3377} ./ifthen

>> I'm hungry

You entered: I'm hungry

{cslinux1:~/cs3377} cat ifthen

#!/bin/bash

read -p ">> " userInput

if [[ -z "$userInput" ]]; then

echo "Where is your input?"

exit 1

else

echo "You entered: $userInput"

fi