

OLD DOMINION UNIVERSITY

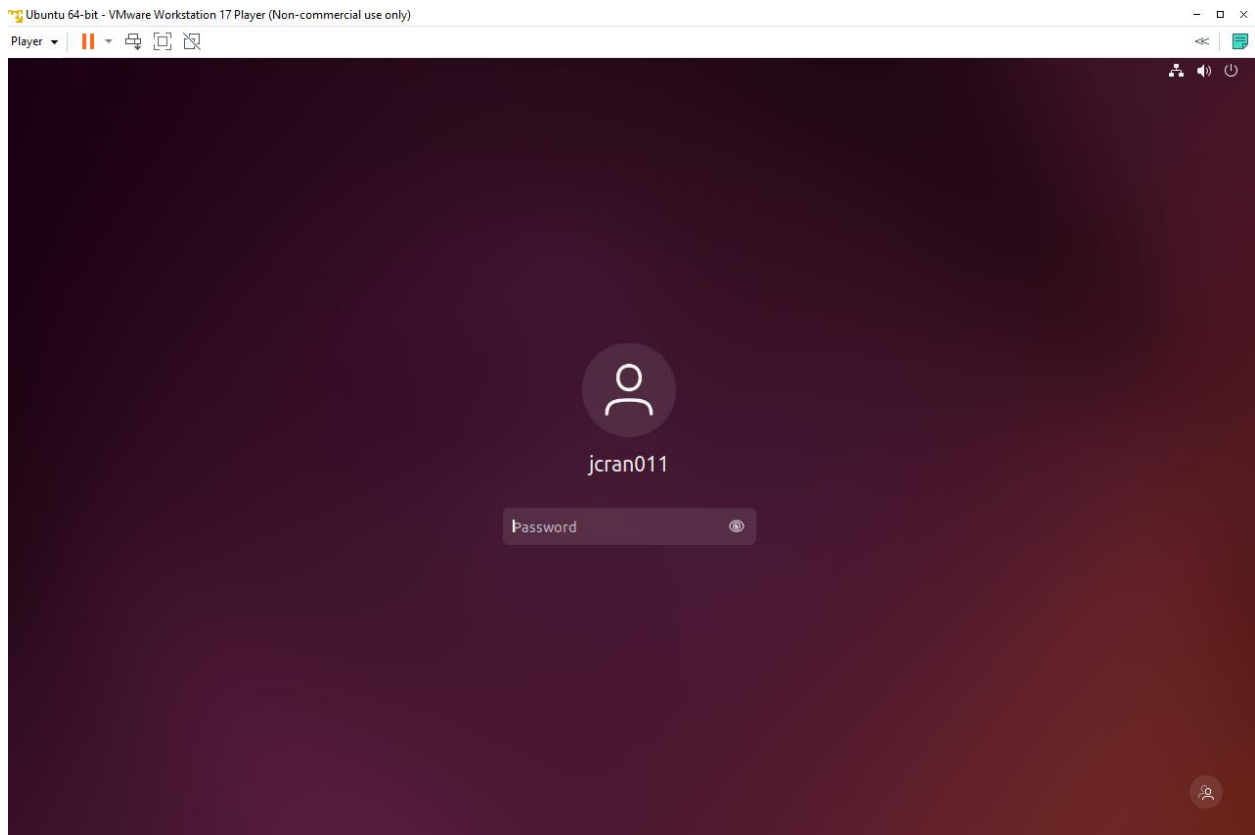
CYSE 301 CYBERSECURITY TECHNIQUES AND OPERATIONS

Assignment #1 Basic Linux Commands

Jasmyn Wilhelm

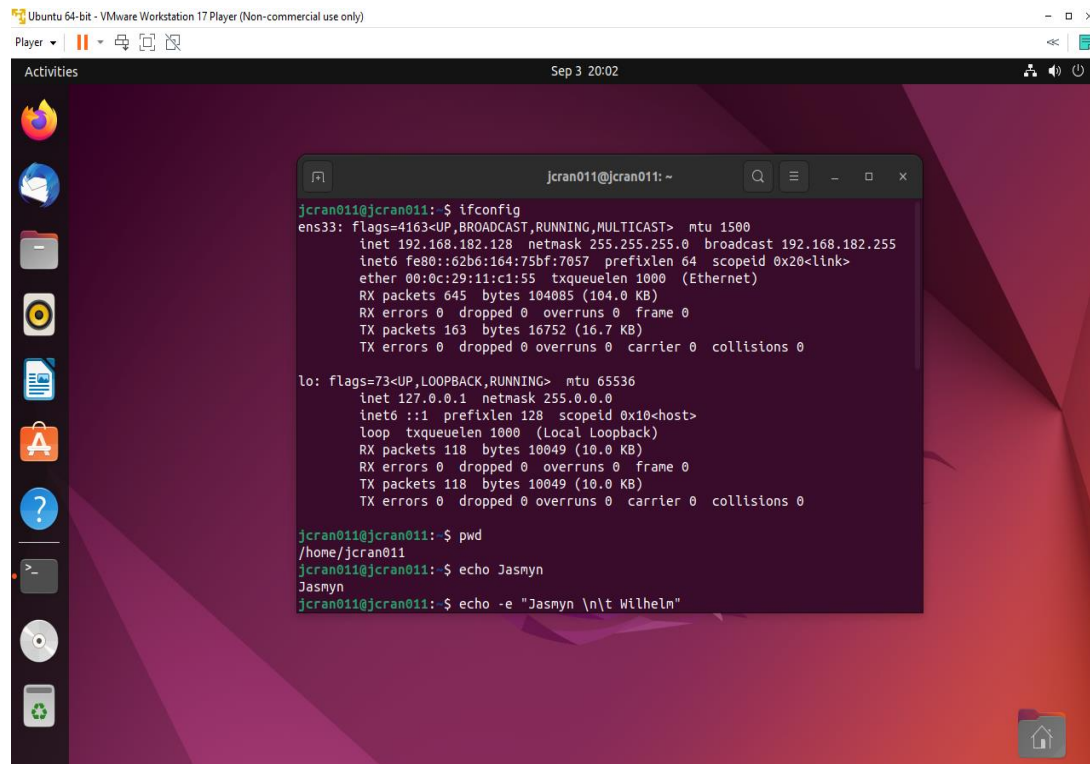
01155323

Task A: Screenshot of the Login page for Ubuntu.



Task B:

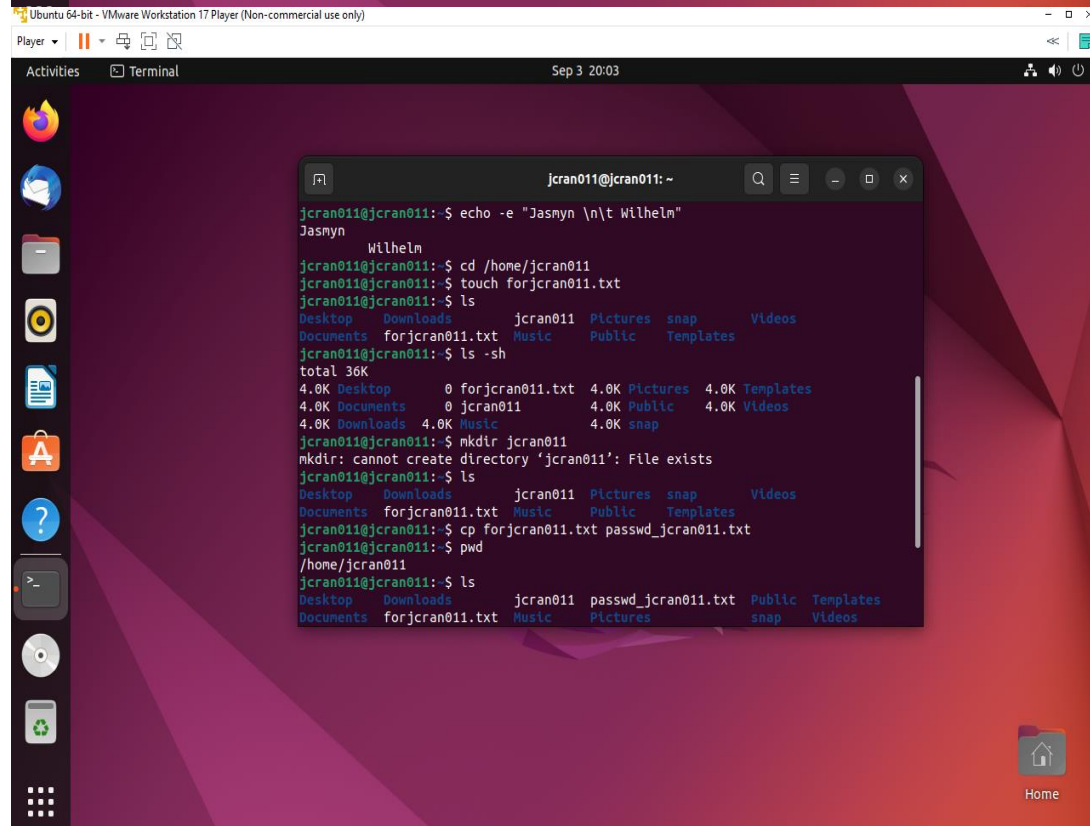
1. You can find the IP Address by typing “ifconfig” into your Linux Virtual Machine. The IP Address return was 192.168.182.128.



```
jcran011@jcran011: ~  
jcran011@jcran011:~$ ifconfig  
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 192.168.182.128 netmask 255.255.255.0 broadcast 192.168.182.255  
    inet6 fe80::62b6:164:75bf:7057 prefixlen 64 scopeid 0x20<link>  
    ether 00:0c:29:11:c1:55 txqueuelen 1000 (Ethernet)  
    RX packets 645 bytes 104085 (104.0 KB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 163 bytes 16752 (16.7 KB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    inet6 ::1 prefixlen 128 scopeid 0x10<host>  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 118 bytes 10049 (10.0 KB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 118 bytes 10049 (10.0 KB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
jcran011@jcran011:~$ pwd  
/home/jcran011  
jcran011@jcran011:~$ echo Jasmyn  
Jasmyn  
jcran011@jcran011:~$ echo -e "Jasmyn \n\t Wilhelm"
```

2. To display the current directory to type in “pwd” which means “print current directory”.

3 and 4. Echo repeats words put behind it, but to put words on a separate line you add “-e” after echo, put the text you want in parenthesis, and “\n\t” got before the text wanted on another line.



```
jcran011@jcran011:~$ echo -e "Jasmyn \n\t Wilhelm"  
Jasmyn  
    Wilhelm  
jcran011@jcran011:~$ cd /home/jcran011  
jcran011@jcran011:~$ touch forjcran011.txt  
jcran011@jcran011:~$ ls  
Desktop  Downloads  jcran011  Pictures  snap      Videos  
Documents forjcran011.txt Music     Public   Templates  
jcran011@jcran011:~$ ls -sh  
total 36K  
4.0K Desktop  0 forjcran011.txt  4.0K Pictures  4.0K Templates  
4.0K Documents 0 jcran011         4.0K Public   4.0K Videos  
4.0K Downloads 4.0K Music       4.0K snap  
jcran011@jcran011:~$ mkdir jcran011  
mkdir: cannot create directory 'jcran011': File exists  
jcran011@jcran011:~$ ls  
Desktop  Downloads  jcran011  Pictures  snap      Videos  
Documents forjcran011.txt Music     Public   Templates  
jcran011@jcran011:~$ cp forjcran011.txt passwd_jcran011.txt  
jcran011@jcran011:~$ pwd  
/home/jcran011  
jcran011@jcran011:~$ ls  
Desktop  Downloads  jcran011  passwd_jcran011.txt Public Templates  
Documents forjcran011.txt Music     Pictures  snap      Videos
```

5. To use an absolute pathname “/” is included. The pathway to get home was “cd /home/jcran011”

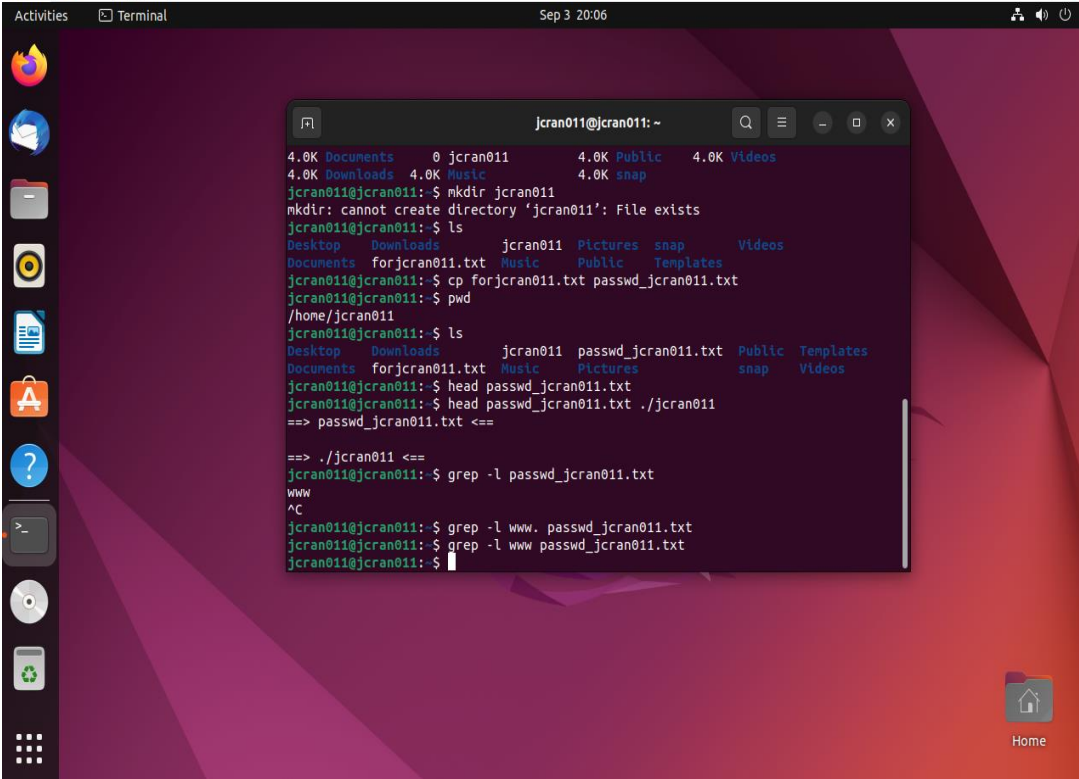
6. To create a new file you type “touch” the new file name (ex. forjcran011) and add “.txt” behind it.

7. “mkdir” is the command to create a new directory. (Mine already existed.) To show the files and file size you command “ls -sh”.

8. To copy a file the command is “cp” and you use the old file name after a space type the name you wish it to be (still adding .txt at the end).

8. A. The command “head” shows the first few lines of the file.

8. B. “grep” searched for a particular pattern in a file such as “www”.



The screenshot shows a terminal window titled "jcran011@jcran011: ~" with the following commands and output:

```
jcran011@jcran011: ~  
4.0K Documents 0 jcran011 4.0K Public 4.0K Videos  
4.0K Downloads 4.0K Music 4.0K snap  
jcran011@jcran011:~$ mkdir jcran011  
mkdir: cannot create directory 'jcran011': File exists  
jcran011@jcran011:~$ ls  
Desktop Downloads jcran011 Pictures snap Videos  
Documents forjcran011.txt Music Public Templates  
jcran011@jcran011:~$ cp forjcran011.txt passwd_jcran011.txt  
jcran011@jcran011:~$ pwd  
/home/jcran011  
jcran011@jcran011:~$ ls  
Desktop Downloads jcran011 passwd_jcran011.txt Public Templates  
Documents forjcran011.txt Music Pictures snap Videos  
jcran011@jcran011:~$ head passwd_jcran011.txt  
jcran011@jcran011:~$ head passwd_jcran011.txt ./jcran011  
==> passwd_jcran011.txt <==  
  
==> ./jcran011 <==  
jcran011@jcran011:~$ grep -l passwd_jcran011.txt  
passwd_jcran011.txt  
^C  
jcran011@jcran011:~$ grep -l www passwd_jcran011.txt  
jcran011@jcran011:~$ grep -l www passwd_jcran011.txt  
jcran011@jcran011:~$
```