

School: CLOUDBOOSTA	Course: Cloud Computing & DevOps
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	Class 2: Assignment 1b_ Basic Linux commands
Student No: CBALC0168	Issue Date: March 1, 2026

Required to: perform some basic Linux commands.

Computer operating system: Windows

Linux flavour, UBUNTU, was installed.

The link to access the created folders/files for this demonstration is:

https://drive.google.com/drive/folders/1H2Ect7qq3H8eUOxiyD2M3MrOTqIfzhHb?usp=drive_link

List of actions:

- Created 3 files *sample1.txt*, *sample2.txt*, and *sample3.txt* (using the cat command) within a folder named: *Assignment*
 - Ran the command: **mkdir Assignment**
 - Navigated into the Assignment folder using command: **cd Assignment**
 - Created the above-mentioned (3) files by typing:
touch sample1.txt sample2.txt sample3.txt
 - Listed the contents of the *Assignment* folder using **ls**
- Entered today's date *March 1, 2026* on *sample1.txt* using the command¹:
cat > sample1.txt
- Entered my full name *Samuel Akosa ONYEJEKWE* on *sample2.txt* using the command:
cat > sample2.txt

¹ After typing the required content, I pressed CTRL + D to exit.

- Entered a Cloudboosta tutor, *Gbemisola Ojo* on *sample3.txt* by running the command:

cat > sample3.txt

- Appended contents of the 3 files into a new file named: *title.txt*, using the command:

cat sample1.txt sample2.txt sample3.txt >> title.txt

- Listed text content of the file *title.txt*, using the command: **cat title.txt**

- Copied the contents of *sample2.txt* into a new file named *my_name.txt* using:

cat sample2.txt > my_name.txt

- Created a new folder *Names* within the *Assignment* folder using the command:

mkdir Names

- Listed all the contents of the *Assignment* folder using command: **ls**
 - Moved *my_name.txt* file to *Names* folder by running the command:

mv my_name.txt Names/

- Navigated back to the *Assignment* folder using the command: **cd ..**
- Displayed the amount of free and used memory in my system, using the *free* command.

- Saved the output in a new file *name system.txt*, using the command:

free -h > system.txt

- Appended the output of *lscpu* command to the file *system.txt* by typing:

lscpu >> system.txt

- Redirected the message: “The weather is nice.” using the *echo* command:

echo "The weather is nice." > weather.txt

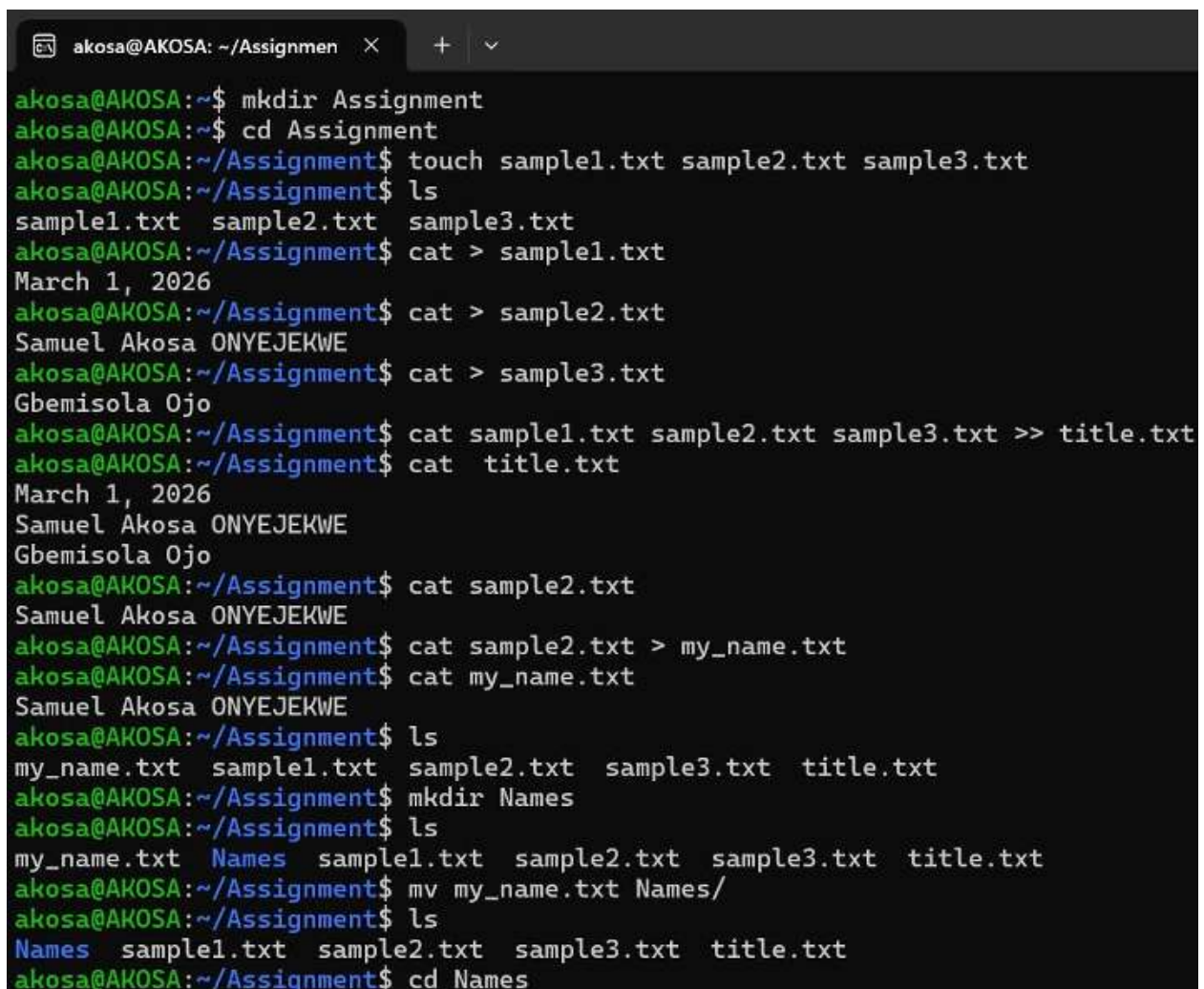
- Entered the following number *73 32 108 111 118 101 32 67 108 111 117 100 98 111 111 115 116 97* in a file *sample5.txt* using the command:

```
echo "73 32 108 111 118 101 32 67 108 111 117 100 98 111 111 115 116 97" >
```

```
sample5.txt
```

- Determined the type of file *sample5.txt* using the *file* command: **file sample.txt**

The following screenshots capture the entire commands on the Ubuntu (Linux) terminal. The program interpreting my commands is Bash shell. Also, the screengrabs show all folders and files (located in the Linux directory) in the Windows file explorer, created in this demonstration.



```
akosa@AKOSA: ~/Assignment
akosa@AKOSA:~$ mkdir Assignment
akosa@AKOSA:~$ cd Assignment
akosa@AKOSA:~/Assignment$ touch sample1.txt sample2.txt sample3.txt
akosa@AKOSA:~/Assignment$ ls
sample1.txt sample2.txt sample3.txt
akosa@AKOSA:~/Assignment$ cat > sample1.txt
March 1, 2026
akosa@AKOSA:~/Assignment$ cat > sample2.txt
Samuel Akosa ONYEJEKWE
akosa@AKOSA:~/Assignment$ cat > sample3.txt
Gbemisola Ojo
akosa@AKOSA:~/Assignment$ cat sample1.txt sample2.txt sample3.txt >> title.txt
akosa@AKOSA:~/Assignment$ cat title.txt
March 1, 2026
Samuel Akosa ONYEJEKWE
Gbemisola Ojo
akosa@AKOSA:~/Assignment$ cat sample2.txt
Samuel Akosa ONYEJEKWE
akosa@AKOSA:~/Assignment$ cat sample2.txt > my_name.txt
akosa@AKOSA:~/Assignment$ cat my_name.txt
Samuel Akosa ONYEJEKWE
akosa@AKOSA:~/Assignment$ ls
my_name.txt sample1.txt sample2.txt sample3.txt title.txt
akosa@AKOSA:~/Assignment$ mkdir Names
akosa@AKOSA:~/Assignment$ ls
my_name.txt Names sample1.txt sample2.txt sample3.txt title.txt
akosa@AKOSA:~/Assignment$ mv my_name.txt Names/
akosa@AKOSA:~/Assignment$ ls
Names sample1.txt sample2.txt sample3.txt title.txt
akosa@AKOSA:~/Assignment$ cd Names
```

```

akosa@AKOSA: ~/Assignment
akosa@AKOSA:~/Assignment/Names$ ls
my_name.txt
akosa@AKOSA:~/Assignment/Names$ cd ..
akosa@AKOSA:~/Assignment$ free -h > system.txt
akosa@AKOSA:~/Assignment$ cat system.txt
              total        used        free      shared  buff/cache   available
Mem:           7.7Gi        424Mi        7.3Gi        3.5Mi       103Mi       7.3Gi
Swap:          2.0Gi           0B          2.0Gi
akosa@AKOSA:~/Assignment$ lscpu >> system.txt
akosa@AKOSA:~/Assignment$ cat system.txt
              total        used        free      shared  buff/cache   available
Mem:           7.7Gi        424Mi        7.3Gi        3.5Mi       103Mi       7.3Gi
Swap:          2.0Gi           0B          2.0Gi
Architecture: x86_64
CPU op-mode(s): 32-bit, 64-bit
Address sizes:  39 bits physical, 48 bits virtual
Byte Order:     Little Endian
CPU(s):         4
On-line CPU(s) list: 0-3
Vendor ID:      GenuineIntel
Model name:     Intel(R) Core(TM) i5-7300U CPU @ 2.60GHz
CPU family:     6
Model:         142
Thread(s) per core: 2
Core(s) per socket: 2
Socket(s):      1
Stepping:       9
BogoMIPS:       5423.99
Flags:          fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush mm
x fxsr sse sse2 ss ht syscall nx pdpe1gb rdtscp lm constant_tsc arch_perfmon rep_good noptl xtopology cpuid tsc_known_fre

```

```

akosa@AKOSA: ~/Assignment
q pni pclmulqdq vmx ssse3 fma cx16 pdcm pcid sse4_1 sse4_2 movbe popcnt aes xsave avx f16c rdrand hypervisor lahf_lm abm
3dnowprefetch pti ssbd ibrs ibpb stibp tpr_shadow ept vpid ept_ad fsgsbase bmi1 hle avx2 smep bmi2 erms invpcid rtm rds
eed adx snap clflushopt xsaveopt xsavec xgetbv1 xsaves vnmi md_clear flush_lld arch_capabilities
Virtualization: VT-x
Hypervisor vendor: Microsoft
Virtualization type: full
L1d cache: 64 KiB (2 instances)
L1i cache: 64 KiB (2 instances)
L2 cache: 512 KiB (2 instances)
L3 cache: 3 MiB (1 instance)
NUMA node(s): 1
NUMA node0 CPU(s): 0-3
Vulnerability Gather data sampling: Unknown: Dependent on hypervisor status
Vulnerability Itlb multihit: KVM: Mitigation: VMX disabled
Vulnerability L1tf: Mitigation; PTE Inversion; VMX conditional cache flushes, SMT vulnerable
Vulnerability Mds: Mitigation; Clear CPU buffers; SMT Host state unknown
Vulnerability Meltdown: Mitigation; PTI
Vulnerability Mmio stale data: Mitigation; Clear CPU buffers; SMT Host state unknown
Vulnerability Reg file data sampling: Not affected
Vulnerability Retbleed: Mitigation; IBRS
Vulnerability Spec rstack overflow: Not affected
Vulnerability Spec store bypass: Mitigation; Speculative Store Bypass disabled via prctl
Vulnerability Spectre v1: Mitigation; usercopy/swapgs barriers and __user pointer sanitization
Vulnerability Spectre v2: Mitigation; IBRS; IBPB conditional; STIBP conditional; RSB filling; PBRSE-eIBRS No
t affected; BHI SW loop, KVM SW loop
Vulnerability Srbds: Unknown: Dependent on hypervisor status
Vulnerability Tsx async abort: Mitigation; Clear CPU buffers; SMT Host state unknown
akosa@AKOSA:~/Assignment$ echo "The weather is nice." > weather.txt
akosa@AKOSA:~/Assignment$ cat weather.txt
The weather is nice.

```

```

akosa@AKOSA:~/Assignment$ echo "73 32 108 111 118 101 32 67 108 111 117 100 98 111 111 115 116 97" > sample5.txt
akosa@AKOSA:~/Assignment$ cat sample5.txt
73 32 108 111 118 101 32 67 108 111 117 100 98 111 111 115 116 97
akosa@AKOSA:~/Assignment$ file sample5.txt
sample5.txt: ASCII text
akosa@AKOSA:~/Assignment$ |

```

Network > wsl.localhost > Ubuntu-24.04 > home > akosa

Name	Date modified	Type	Size
.cache	24/02/2026 9:58 pm	File folder	
.landscape	25/02/2026 6:21 am	File folder	
Assignment	01/03/2026 7:02 pm	File folder	
cloudboosta_linux	01/03/2026 3:53 pm	File folder	
.bash_history	01/03/2026 5:05 pm	BASH_HISTORY File	6 KB
.bash_logout	24/02/2026 9:58 pm	BASH_LOGOUT File	1 KB
.bashrc	24/02/2026 9:58 pm	BASHRC File	4 KB
.motd_shown	01/03/2026 2:16 pm	MOTD_SHOWN File	0 KB
.profile	24/02/2026 9:58 pm	PROFILE File	1 KB
.sudo_as_admin_successful	24/02/2026 10:34 pm	SUDO_AS_ADMIN_S...	0 KB
.swp	28/02/2026 12:33 pm	SWP File	12 KB
.viminfo	28/02/2026 12:33 pm	VIMINFO File	1 KB

Network > wsl.localhost > Ubuntu-24.04 > home > akosa > Assignment

Name	Date modified	Type	Size
Names	01/03/2026 6:58 pm	File folder	
sample1	01/03/2026 6:53 pm	Text Document	1 KB
sample2	01/03/2026 6:53 pm	Text Document	1 KB
sample3	01/03/2026 6:53 pm	Text Document	1 KB
sample5	01/03/2026 7:02 pm	Text Document	1 KB
system	01/03/2026 6:59 pm	Text Document	4 KB
title	01/03/2026 6:54 pm	Text Document	1 KB
weather	01/03/2026 7:01 pm	Text Document	1 KB

