

Assignment 1 – Linux Basic Commands

Q1: From P3 go to home

Relative path: `cd ../../..`

Absolute path: `cd /home/your_username`

Screenshots

Relative path

```
: \Users\S00Q ELASER\Introduction_to_linux\home\ELASER\Practice\p1\hi\p3>cd ../../../../  
  
: \Users\S00Q ELASER\Introduction_to_linux\home\ELASER>cd ..  
  
: \Users\S00Q ELASER\Introduction_to_linux\home>
```

Absolute path output:

```
: \Users\S00Q ELASER\Introduction_to_linux>cd home\ELASER\Practice\p1\hi\p3  
  
: \Users\S00Q ELASER\Introduction_to_linux\home\ELASER\Practice\p1\hi\p3>cd C:\Users\S00  
Q ELASER\Introduction_to_linux\home  
  
: \Users\S00Q ELASER\Introduction_to_linux\home>
```

Q2: Show a long listing of Here

From Command (relative): `ls -l ../Here`

Absolute path: `ls -l /home/your_username/Here`

Screenshots

Relative path output: q2a.PNG

```
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\p1> cd ..  
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser> cd command  
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\command> ls -l ../P1/hi/P3/Here  
  
Directory: C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\P1\hi\P3\Here  
  
Mode                LastWriteTime         Length Name  
----                -  
d-----          9/24/2025 10:22 PM             hereweare  
  
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\command>
```

Absolute path output: q2b.PNG

Q3: Copy the file hereWeAre to Command

From P2: Copy-Item ..\hi\p3\P3 ..\..\command\

From P3: Copy-Item P3 ..\..\command\

From Command: Copy-Item ..\p1\hi\p3\P3 .

Absolute path: Copy-Item C:\Users\<your-username>\Introduction_to_linux\home\<your-username>\practice\p1\hi\p3\P3 C:\Users\<your-username>\Introduction_to_linux\home\<your-username>\practice\command\

Screenshots

From P3:

```
S C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\Practice> cd p1\hi\p3\
S C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\Practice\p1\hi\p3> Copy-Item "..\p3" "..\..\..\command" -Recur
e
>
S C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\Practice\p1\hi\p3> cd ../../../../
S C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\Practice> cd command
S C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\Practice\command> dir

Directory: C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\Practice\command

Mode                LastWriteTime         Length Name
----                -
d-----          9/24/2025  10:05 AM             info
d-----          9/24/2025  11:13 AM             p3

S C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\Practice\command>
```

From P2:

```
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\Practice\p1\p2> Copy-Item "." "..\..\command" -Recurse
>>
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\Practice\p1\p2> cd ../../../../
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER> cd practice
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\practice> cd command
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\practice\command> dir

Directory: C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\practice\command

Mode                LastWriteTime         Length Name
----                -
d-----          9/24/2025  10:05 AM             info
d-----          9/24/2025  11:17 AM             p2
d-----          9/24/2025  11:13 AM             p3

PS C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\practice\command>
```

From Command: q3c.PNG

```

PS C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\practice\command> ^C
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\practice\command> del p3

Confirm
The item at C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\practice\command\p3 has children and the Recurse
parameter was not specified. If you continue, all children will be removed with the item. Are you sure you want to
continue?
[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "Y"): y
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\practice\command> Copy-Item "..\p1\hi\p3" "." -Recurse
>>
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\practice\command> dir

        Directory: C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\practice\command

Mode                LastWriteTime         Length Name
----                -
d-----          9/24/2025  10:05 AM             info
d-----          9/24/2025  11:17 AM             p2
d-----          9/24/2025  11:20 AM             p3

```

Absolute path: qn3d.PNG

```

PS C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\practice\command> del p3

Confirm
The item at C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\practice\command\p3 has children and the Recurse
parameter was not specified. If you continue, all children will be removed with the item. Are you sure you want to
continue?
[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "Y"): y
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\practice\command> Copy-Item "C:\Users\S00Q ELASER\Introduction
to_linux\home\ELASER\Practice\p1\hi\p3" `
>> "C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\Practice\command" -Recurse
>>
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\practice\command>

```

Q4: Copy all files in P3 to Command

From **P2** Copy-Item .. \hi\p3\P3 .. \command\

From **P3** Copy-Item P3 .. \..\command\

From **Command** Copy-Item .. \p1\hi\p3\P3 .

Copy-Item C:\Users\<your-
 username>\Introduction_to_linux\home\<your-
 username>\practice\p1\hi\p3\P3 C:\Users\<your-
 username>\Introduction_to_linux\home\<your-
 username>\practice\command\

Screenshots

From P2: qn4a.PNG

```

PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice> cd p1/p2/
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice\p1\p2> Copy-Item "..\hi\p3\*" "..\..\command" -Force
>
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice\p1\p2> cd ../../
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice> cd command
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice\command> dir

Directory: C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice\command

Mode                LastWriteTime         Length Name
----                -
d-----          9/24/2025   2:32 PM             here
d-----          9/24/2025  10:05 AM             info

```

From P3: qn4b.PNG

```

PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice\command> cd ..
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice> cd p1/hi/p3/
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice\p1\hi\p3> Copy-Item "*" "..\..\..\command" -Force
>>
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice\p1\hi\p3> cd ../../../../
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice> cd command
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice\command> dir

Directory: C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice\command

Mode                LastWriteTime         Length Name
----                -
d-----          9/24/2025   2:32 PM             here
d-----          9/24/2025  10:05 AM             info

```

From Command: qn4c.PNG

```

PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice\command> Copy-Item "..\p1\hi\p3\*" "." -Force
>>
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice\command> dir

Directory: C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice\command

Mode                LastWriteTime         Length Name
----                -
d-----          9/24/2025   2:32 PM             here
d-----          9/24/2025  10:05 AM             info

PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice\command>

```

Absolute path: qn4d.PNG

```

PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice\command> Copy-Item "C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\practice\p1\hi\p3\*" "C:\Users\S00Q ELASER\Introduction_to_linux\home\ELASER\command" -Force
>>
PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice\command> dir

Directory: C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice\command

Mode                LastWriteTime         Length Name
----                -
d-----          9/24/2025   2:32 PM             here
d-----          9/24/2025  10:05 AM             info

PS C:\Users\S00Q ELASER\Introduction_to_linux\home\elaser\practice\command>

```

Q5: Difference

Q3 copies only one file (hereWeAre).

Q4 copies all files inside P3 (file1.txt, file2.txt, hereWeAre).

Q6: Colors

Blue = directories (Command, Here, P2, P3).

White = normal text files (file1.txt, file2.txt).

Yellow (or green) = executable files.

'hereWeAre' should be yellow because it is executable after running `chmod +x hereWeAre`.