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#HackYourEducation

















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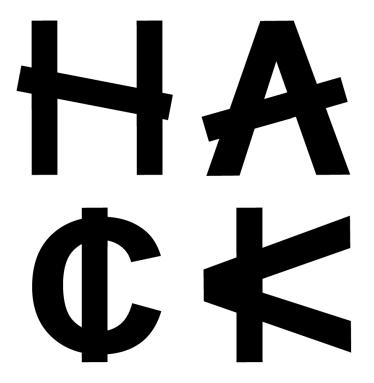
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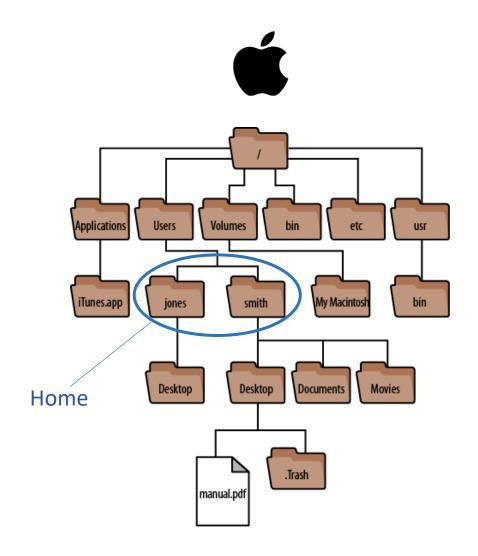
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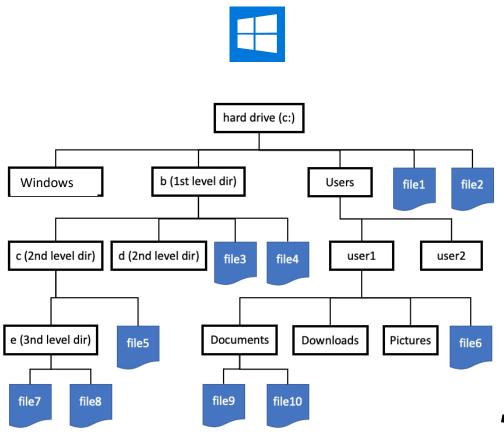
### The Black Window

Master The Command Line

https://github.com/ORBIT-Lab/hack-black-window

### Files Grows on Trees

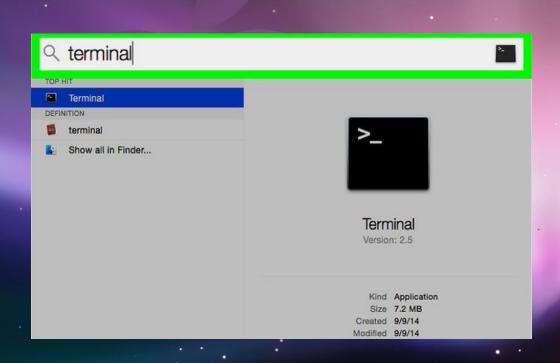


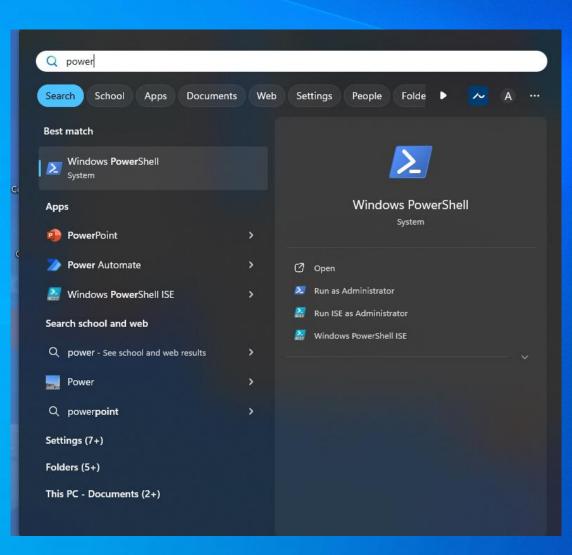




### Task 1:

## Open The Terminal





# PATH'S (To Happiness)

Default Relative Path

[some]/[folder]/[structure]/[file].[ext]

Absolute Path

/[some]/[folder]/[structure]/[file].[ext]

Relative Path

./[folder]/[structure]/[file].[ext]

Relative To Home Path

~/[folder]/[structure]/[file].[ext]

Relative with ••

./[folder]/../[folder]/./[file]

[folder]/[file]

<u>Default</u> Relative Path

[some|\[fo|der]\[structure]\[file].[ext]

Absolute Path

C:\[some]\[folder]\[structure]\[file].[ext]

Relative Path

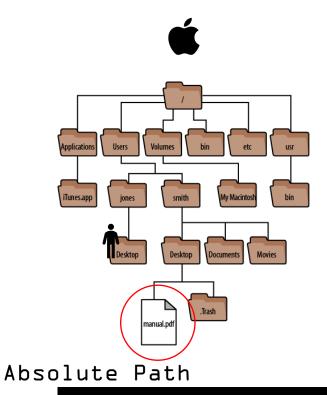
.\[folder]\[structure]\[file].[ext]

Relative with ..

 $\[ folder]\.\[ folder]\.\[ file]$ 

[folder]\[file]

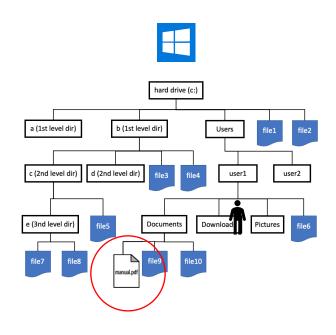
### Paths



/Users/smith/Desktop/manual.pdf

Relative Path

../../smith/Desktop/manual.pdf



Absolute Path

C:\Users\user1\Documents\manual.pdf

Relative Path

..\Documents\manual.pdf



# List File at current Location

ls

Is [path]

dir

dir [path]

# Create Folder

mkdir [folder]

mkdir [folder]/[folder]

Folder structure

mkdir [folder]

mkdir [folder]\[folder]

Folder structure

Task 3:

## Change current Location

cd [path]

E.g.:

cd ..

cd ./ [name of the folder]

cd [folder]/[folder]

Relative to current location

Jump out of folder

Relative to current location

Jump relative into subfolder

D:/

Change Harddisk

# Copy File

cp [source path] [destination path]

copy [source path] [destination path]

# Move File/Folder

mv [source path] [destination path]

move [source path] [destination path]

# Remove File/Folder

rm [file]

rm -r [folder]

del [folder/file]

# Print out Content of File

cat [path]

type [path]

# #HackYourEducation

### Exercise:

Download and unzip the "file-maze" from: <a href="https://github.com/ORBIT-Lab/hack-black-window">https://github.com/ORBIT-Lab/hack-black-window</a>

Use the learned commands to find the **items** in the maze and **transfer/copy** them to your **house**.

D. Create a folder named "house", this is your house and should not be moved. It can be placed anywhere you like.

1.Gold should be "moved" to your house.

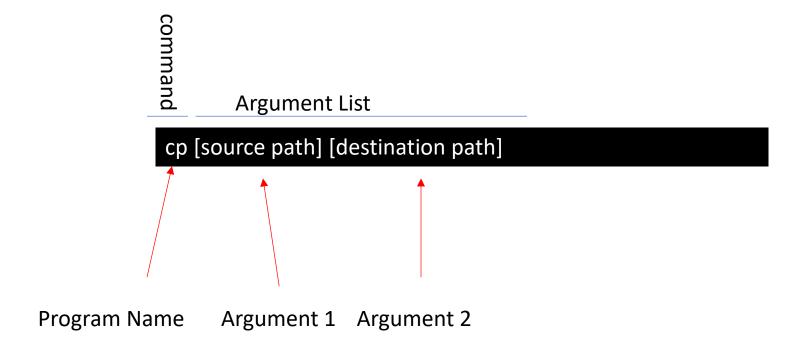
2.Art should be "copied" to your house.

3.Any trash should be "deleted" to leave the maze clean

("cat/type" the files named **item-Enumberl.txt** to see what they are)

Printout content of found files to see what they are.

### Commands in the terminal is just programs!





# Run Program

./[path to program]

If spaces in path use the ""

"./[path to program]"

/System/Applications/TextEdit.app/Contents/MacOS/TextEdit

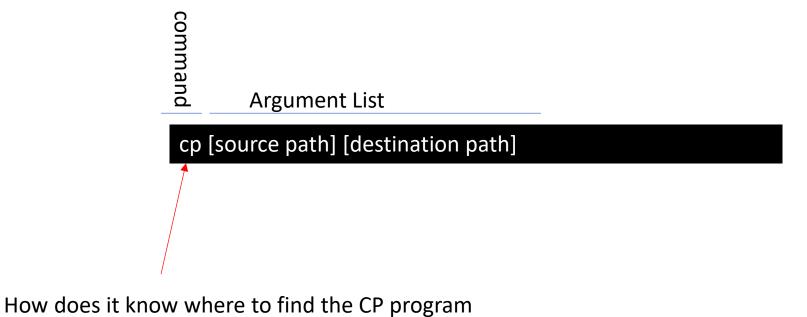
[path to program].exe

If spaces in path use the "

"[path to program].exe"

C:\Windows\System32\notepad.exe

### The Path Environment Variable





# Path Variables In Terminal

List:

echo \$PATH

Add for current terminal Only:

export PATH="/your/path/here:\$PATH"

List:

echo %PATH%

Add for current terminal Only:

set PATH=%PATH%;C:\your\path\here\

### The PATH - Environment Variable – Permanent Set



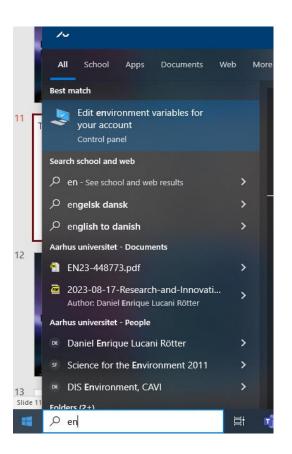


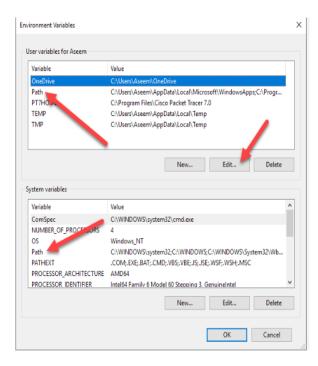
Create or append to the file:

~/.bash\_profile

With the previously command:

export PATH="/your/path/here:\$PATH"









# #HackYourEducation

Add a Program to Path:

Select a program that you would like to be able to open from a terminal easily. Like "chrome"

D. Find where it is located on the
disk (you can google if you have no
idea where to look)

1.Add the path to the PATH environment variable

2.Open a terminal and type the name of the program

### Version Control - RIP OneDrive

Part #2 of Hack Your Education

Scan QR-koden for info og tilmelding!





