

HACK

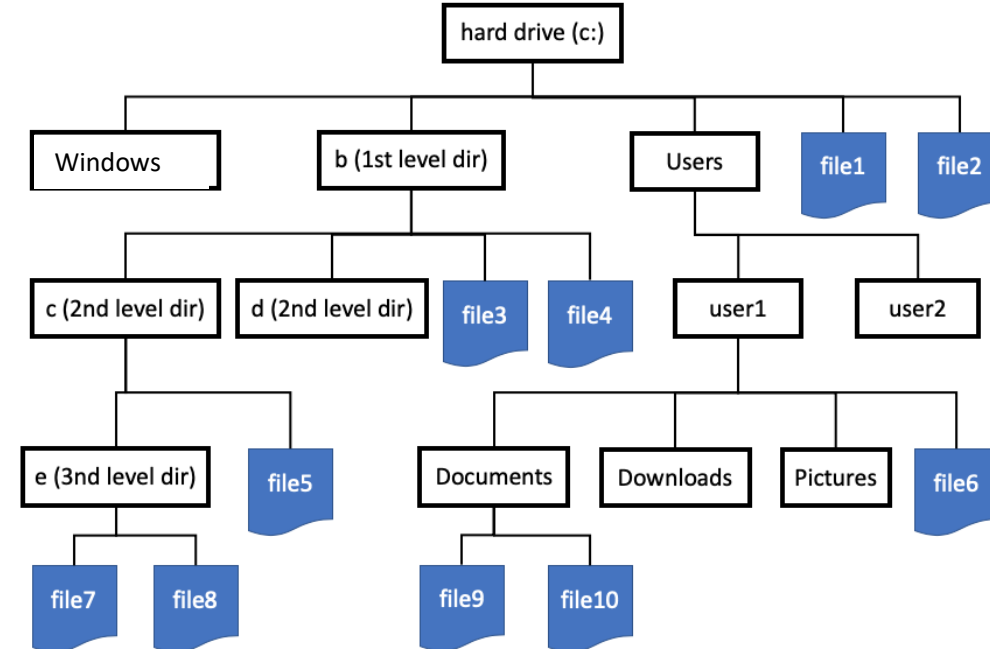
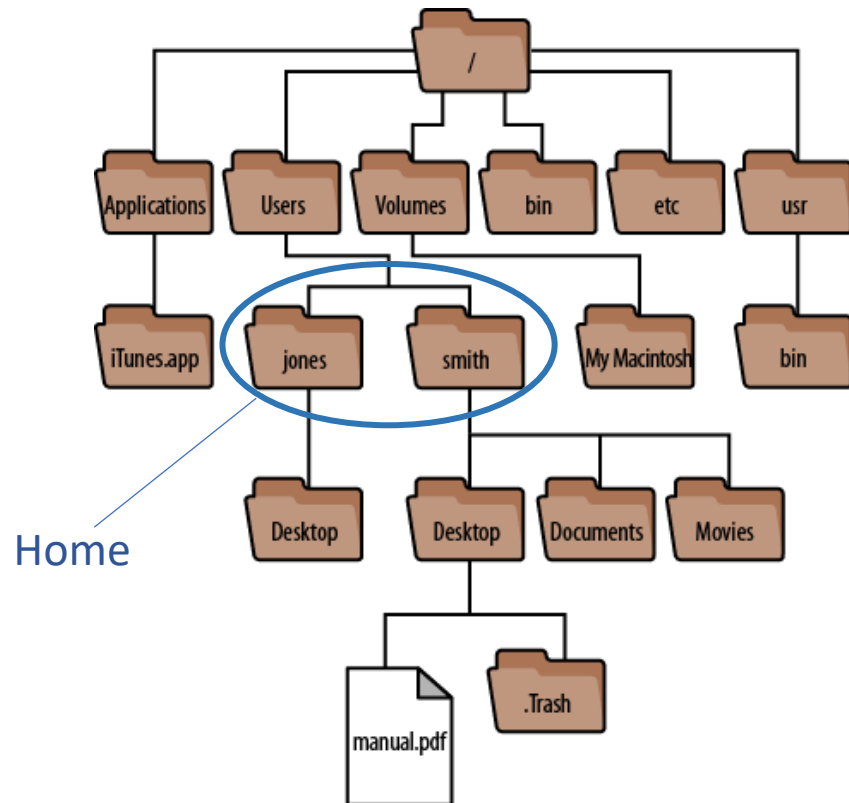
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The Black Window

Master The Command Line

<https://github.com/0RBIT-Lab/hack-black-window>

Files Grow on Trees

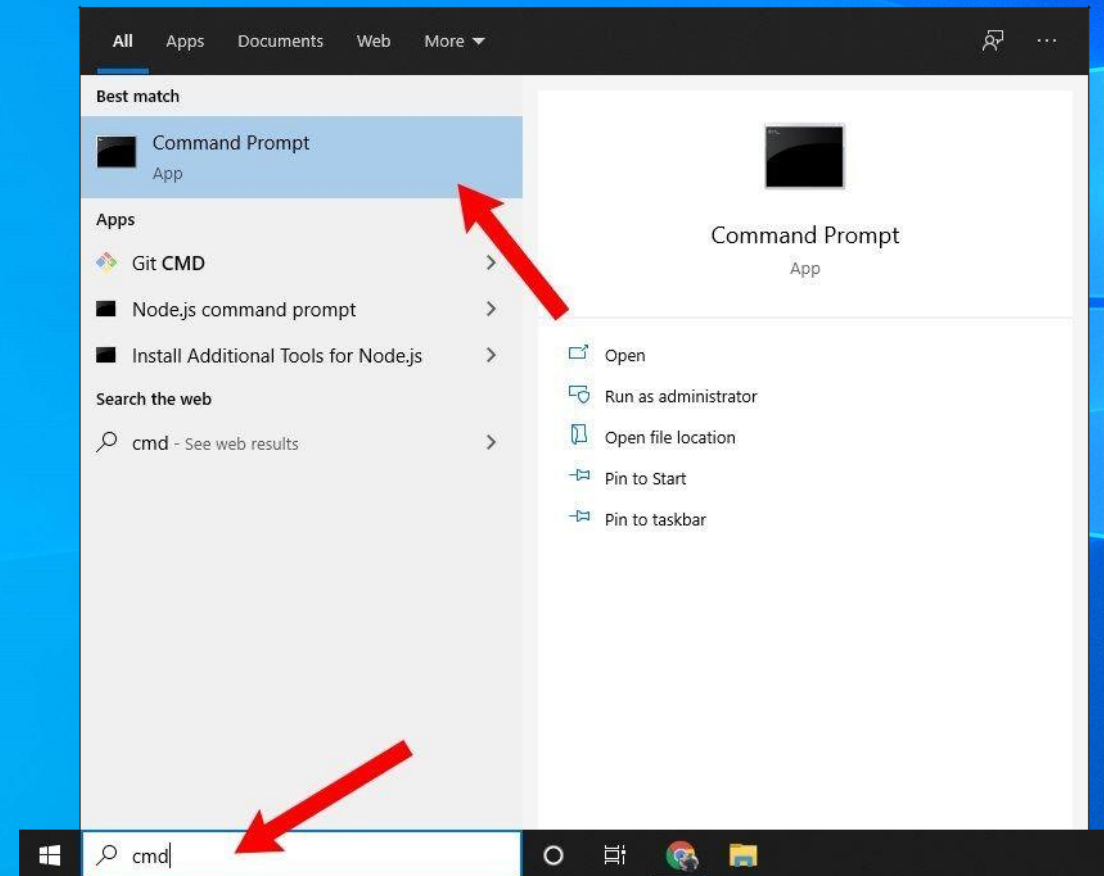
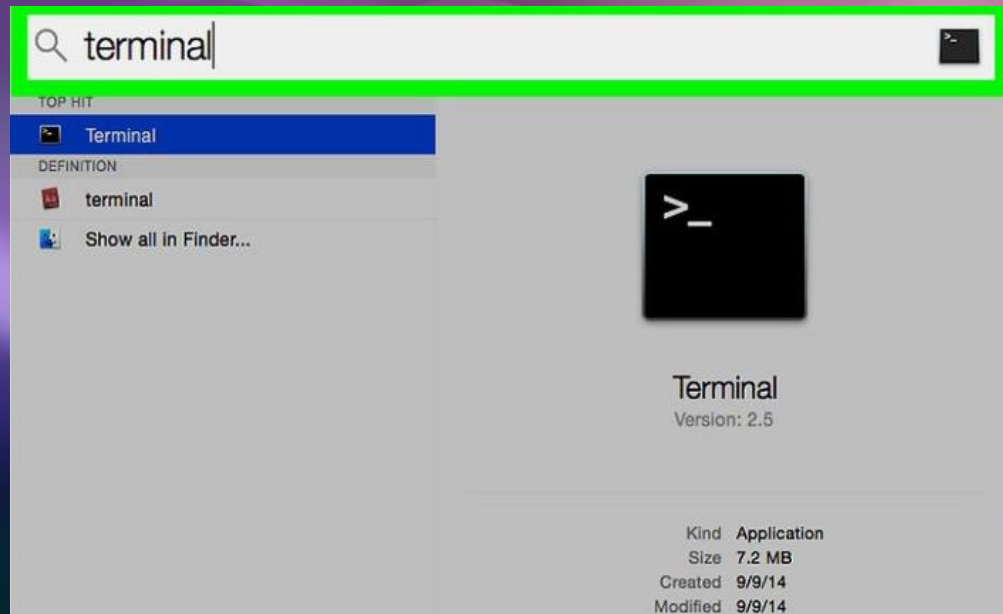


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Task 1:

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]

Default Relative Path

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

Absolute Path

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

Relative Path

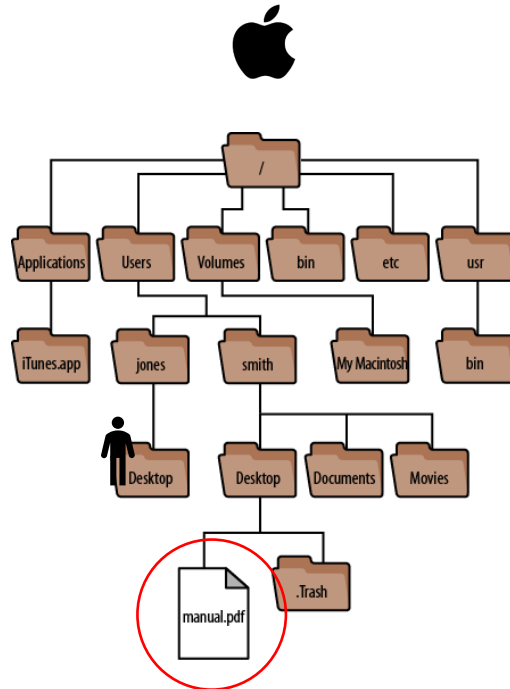
.\[folder]\[structure]\[file].[ext]

Relative with ..

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

[folder]\[file]

Paths

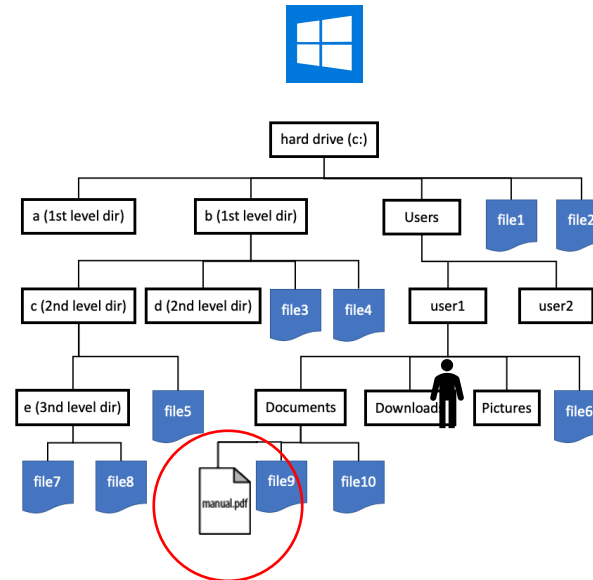


Absolute Path

```
/Users/smith/Desktop/manual.pdf
```

Relative Path

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

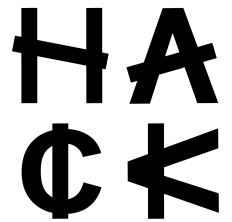


Absolute Path

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

Relative Path

```
..\Documents\manual.pdf
```



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List File at current Location



ls

ls [path]



dir

dir [path]

Create Folder

```
mkdir [folder]
```

```
mkdir [folder]/[folder]
```

Folder structure

Create Folder

```
mkdir [folder]
```

```
mkdir [folder]\[folder]
```

Folder structure

Task 3:

Change current Location

`cd [path]`

Relative to current location

E.g.:

`cd ..`

Jump out of folder

`cd ./ [name of the folder]`

Relative to current location

`cd [folder]/[folder]`

Jump relative into subfolder

`D:/`

Change Harddisk

Copy File

The background of the left panel is a dark purple and blue gradient with a faint, glowing Apple logo in the center. The logo is a silhouette of an apple with a bite taken out of it, and it has a subtle glow around it. The overall aesthetic is reminiscent of the MacOS desktop background.

```
cp [source path] [destination path]
```

The background of the right panel is a solid blue color with a faint, glowing Windows logo in the center. The logo is a stylized four-pane window, and it has a subtle glow around it. The overall aesthetic is reminiscent of the Windows desktop background.

```
copy [source path] [destination path]
```

Move File/Folder

The background of the left half of the image is a dark, starry space with a large, faint Apple logo in the center. The logo is a silhouette of an apple with a bite taken out of it, rendered in a light purple/pink color that blends into the starry background.

```
mv [source path] [destination path]
```

The background of the right half of the image is a solid blue color with a faint, large Windows logo in the center. The logo is composed of four panes arranged in a 2x2 grid, rendered in a lighter blue color that blends into the background.

```
move [source path] [destination path]
```

Remove File/Folder

```
rm [file]
```

```
rm -r [folder]
```

```
del [folder/file]
```

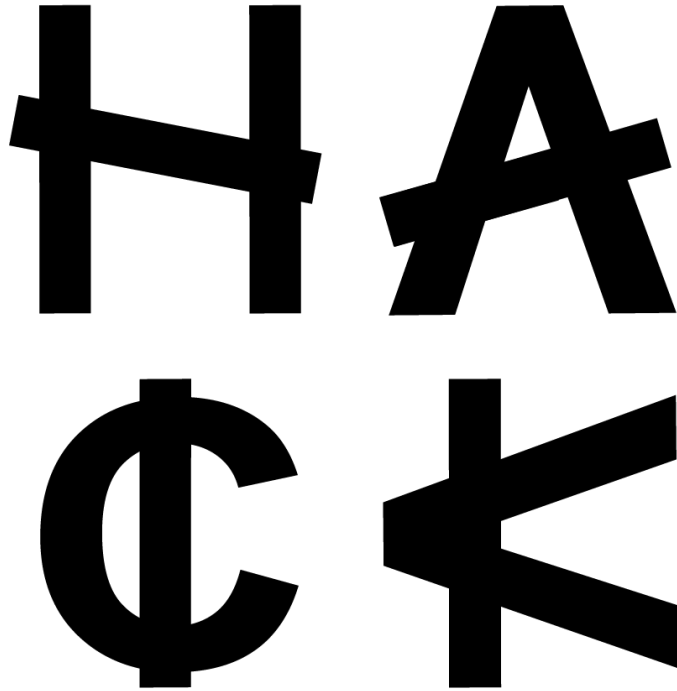
Print out Content of File

The background of the left half of the image is a dark purple and blue space-themed wallpaper. It features a large, faint, semi-transparent Apple logo in the center-left. The background is filled with numerous small white stars and some soft, glowing nebula-like patterns in shades of pink and purple.

```
cat [path]
```

The background of the right half of the image is a solid bright blue. On the right side, there is a faint, semi-transparent Windows logo, which is a stylized four-pane window.

```
type [path]
```



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Exercise:

Download and unzip the "file-maze" from:

<https://github.com/0RBIT-Lab/hack-black-window>

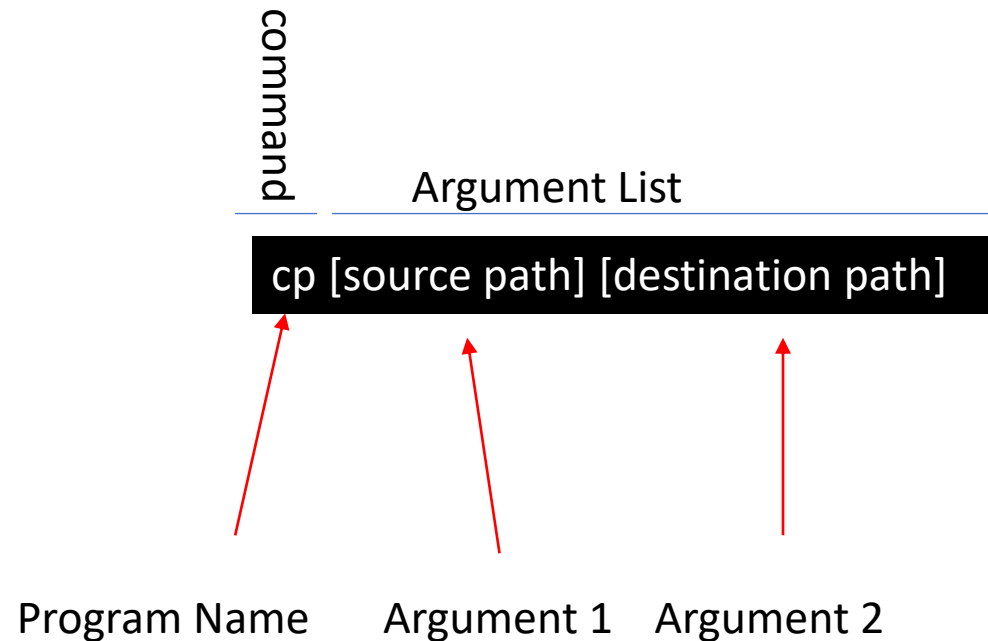
Use the learned commands to find the items in the maze and transfer them to your house.

0. 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

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
```

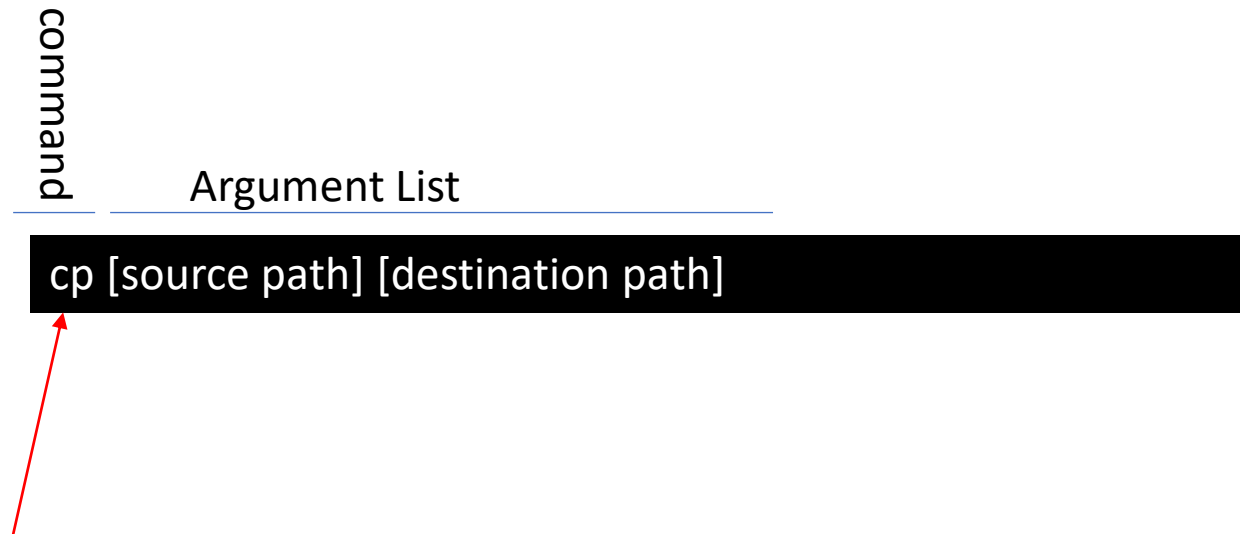
```
[path to program].exe
```

If spaces in path use the “

```
“[path to program].exe”
```

```
C:\Windows\System32\notepad.exe
```

The Path Environment Variable



How does it know where to find the CP program

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

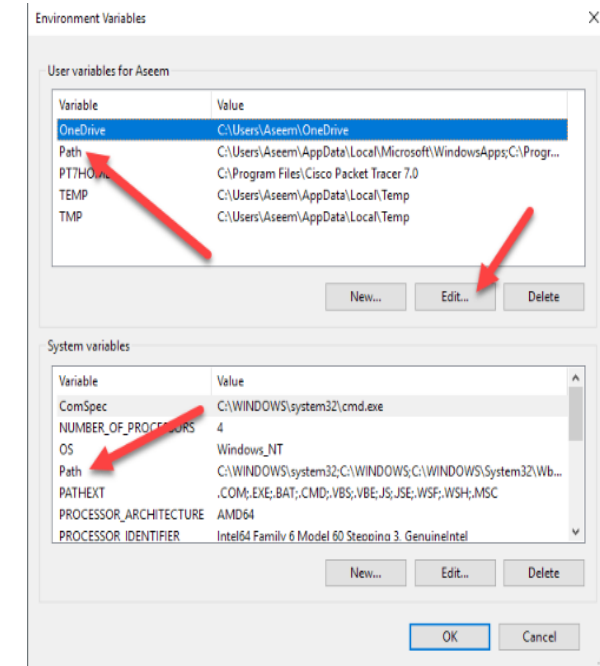
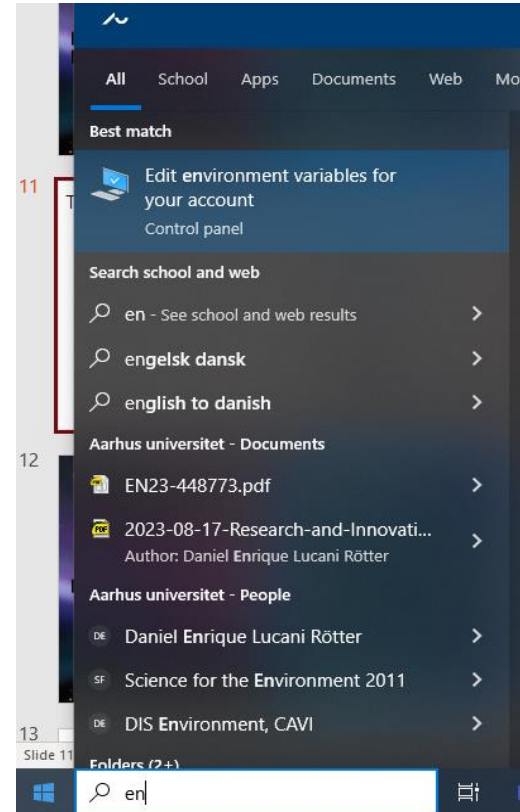


Create or append to the file:

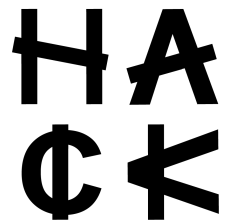
```
~/.bash_profile
```

With the previously command:

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



”miljøvariabler” in danish



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Add a Program to Path:

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

0. 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

