

# PowerShell cheatsheet

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## 1 General

As you might have noticed, the commands you learned for the command line do not (all) work on Windows. Luckily, Windows has its own shell that you can use. One of them, the command prompt, is very outdated and will not do a lot of the things that you can do on Mac and Linux, but the other one, called PowerShell, can do most of what a Unix shell can do (and more!). Some of the commands in PowerShell are identical to their Unix counterparts, but some of them are also quite different, which is what this document is for.

## 2 Commands

Unix command	PowerShell equivalent
<code>cd</code>	<code>cd</code>
<code>grep</code>	<code>select-string</code>
<code>less</code>	<code>more</code> ( <i>Doesn't scroll back</i> )
<code>find</code>	<code>dir [query] -r</code>
<code>ls</code>	<code>ls</code> or <code>get-childitem</code>
<code>wc</code>	<code>measure-object</code>
<code>cat</code>	<code>cat</code>
<code>clear</code>	<code>clear-host</code>
<code>dirname</code>	<code>dir   select directory</code>
<code>rm</code>	<code>remove-item</code>
<code>sort</code>	<code>sort-object</code>

You can select part of a file by using `cat` with the arguments `-Head x` or `-Tail x`, which select the first `x` lines from the start or the end, respectively. For example: `cat [filename] -Tail 20` selects the last 20 lines of a file.

If you have any questions or can't get something to work, feel free to ask me, or any of the other teachers (but not David).