

```
ls
```

```
cp foo bar
```

```
cat file.txt
```

dir

copy foo bar

type file.txt

```
while ($i < 10) {  
    $total += $nums[$i];  
    $i++;  
}
```

Is it **Bash**?

Is it `cmd.exe`?

Is it Perl?

!

O

N

It's PowerShell



what?

Microsoft's new  
shell and shell  
scripting  
language

That must suck,  
right?

I like to live  
on the edge.



I'm at  
a UNIX  
conf.

But I  
think  
that...

PowerShell  
Rocks!

Typical shell:  
pipe **strings**  
between  
commands

```
ps -e |  
grep "mysql" |  
awk '{print $1}' |  
xargs kill
```



PowerShell:  
pipe **objects**  
between  
commands

Handwritten text: "HURRY!"

Represent  
entities in the  
system (files,  
processes, etc)  
by objects

object

=

fields of data

+

methods

ten.

Reflection:  
self describing  
objects

get-process p\*

A list of process  
objects where  
process name starts  
with p

```
get-process p* |  
stop-process
```

The list of process  
objects is piped to  
stop-process



No text generation  
and parsing!

```
dir |  
sort -property length
```

Know the type of the  
length property is a  
number => no need to  
tell sort that

# Higher Order Programming

```
$total = 0
dir | for-each {
    $total += $_.length
}
$total
```

Cool!

I like  
PowerShell.

Do you?