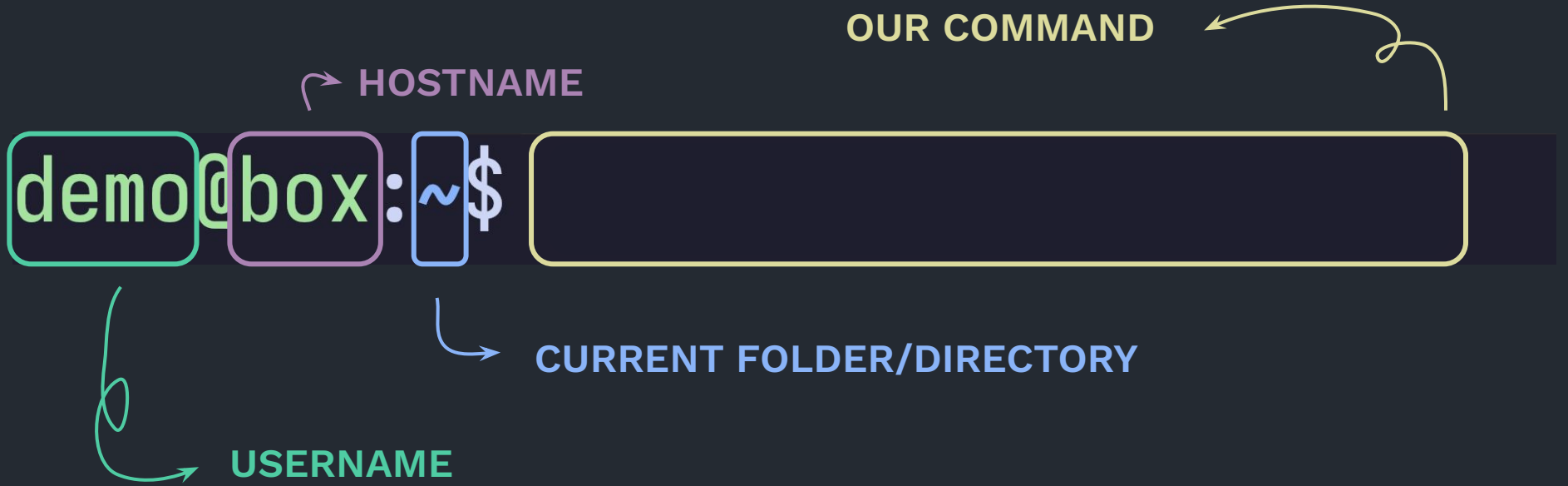
the shell

- A textual interface that we use to interact with the operating system.
- We will do almost everything in this workshop purely through the shell :)

the prompt



* the tilde (~) is used as a short form to represent the HOME DIRECTORY “/home/demo”

demo@box:~$ cowsay "hello world"
< hello world >
^__^
(oo)_____
(__)\ )\/\
||----w |
|| ||

commands

```
$ command --flags arguments
```

- **command** — program/command that is being executed (i.e. cowsay)
- **flags*** — specify how a command should be executed (options)
- **arguments*** — input that is passed into the command

** optional – not all commands requires flags or arguments*

```
demo@box:~$ cowsay -e XX -T U "hello world"
 _____________
< hello world >
 -------------
        \   ^__^
         \  (XX)\_______
            (__)\       )\/\
             U ||----w |
               ||     ||
```

Can you identify the command, the flags and the arguments?

how to use XXX?

```
$ command --help
```

```
$ man command
```

Consult the command's help page or the linux manual page!

Directory Navigation

ls	List files in the specified directory
pwd	Present Working Directory
cd	Change current directory

File Management

ls	List files in the specified directory
cp	Copy (File/Folder)
mv	Move/Rename (File/Folder)
rm	Remove/Delete (File/Folder)
touch	Create a new empty file
cd	Change current directory

Network-Related

ssh	Access a remote system
wget	Download remote files from the web
curl	Access and view website contents
ping	Check connectivity with an IP address
ip	View IP configuration
nc	Connect to a remote service

challenge!

we have a remote service running on

challs.nusgreyhats.org on port XXXX

pw: cowsay_i_wuv_OS!