

## Navigating the command-line interface



Once you unlock the computer in our game, you might find yourself gaining access to a command-line interface which looks something like the above picture. What is this? How do you use this to complete the game?

In general, a command-line interface (CLI) is a text-based way to interact with a computer and its files. The commands you use to do so depend on the computer and its operating system, and you might also find yourself using a CLI for a specific program also equipped with its own commands.

**The CLI we've provided you with in this game is not necessarily accurate to the CLIs you will find in real operating systems, but we've tried to get close.** Documented below are the commands you will need for navigating our CLI, as well as instructions for the executables which you will find within the CLI. For all commands to execute, you'll need to type them out, then hit Enter.

### Navigating files

**To view files in your current location:** type "ls" (without the quotes; and yes, that is an L, not an uppercase i). This will display both folders and executables. You can enter the folders listed, which will not have any file type listed, while executables can be run such that you can then access a CLI specific to that executable.

For example, if you type "ls" and see the following:

mysecrets      myprogram.exe

The folder here is “mysecrets”, while the executable is “myprogram.exe.”

**To move into a new folder:** type “cd thefoldername” (without the quotes).

For example, to move into the previous “mysecrets” folder, you would type “cd myfolder” into the CLI.

## Executing an executable

To get started with running a program, you’ll want to type “./programname”. So, if you want to execute myprogram.exe, type “./myprogram.exe” into the CLI.

## Documentation for each provided in-game executable

### lineDolphin.exe

LineDolphin is a tool which will help you capture network traffic and see what’s going on.

**To capture some network data:** type “capture” and lineDolphin will give you some results!

- These results happen to be specific to what your coffee machine is doing on your network.

### coffeeRequestSender.exe

This tool was provided by the developers of the smart coffee machine in your kitchen to send requests to the machine for things you desire. The coffee machine happens to use a proprietary coffee-machine-specific networking protocol which is documented below.

**To start sending a request:** type “start” and you will be prompted further.

- You will then be prompted for the host address.
- Next, you will need to specify a port number.
- You will then need to specify the request type.
- Then, you need to specify the URL which you’re sending to.

Something useful to note is that URLs tend to exist at mycyba/brewer/SOMETHING, where SOMETHING is replaced with a desirable function. Using lineDolphin happens to capture output from pinging mycyba/brewer/status - so, given this, how would you use the coffee maker to brew some coffee?

### **fridgeLoginPortal.exe**

Your smart fridge has provided a login portal in which you can toggle fridge settings.

**To lock/unlock fridge:** lock/unlock

- Type just “lock” to lock, and “unlock” to unlock.

**To view fridge inventory:** stock