

Exercise 1: Working with the Shell

Q1 - Username

Log into klaatu using an SSH client

Once you are logged in, run the command `uname -a` by typing it in and hitting Enter/Return. What are the **first two words** printed out? Format: "X Y.edu"

Q2 - Echo

What command can we run to print the words ``hello world``?
Format with no quotation marks.

Run the command ``echo $SHELL``. What is printed out?

Q3 - Navigating Files

Imagine we are in the directory ``foo`` which contains a directory ``bar``, like this:

```
```bash
foo
├─ file1.txt
└─ bar
 └─ file2.txt
 └─ file3.txt
...
```
```

What command can you run to list the contents of ``foo``?

What command can we use to enter the directory ``bar``?

Since we are now in the `bar` directory, what command can we run to return to the `foo` directory?

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Write a line using `touch` that will create an empty file called `test2.txt`.

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Go to your home directory with `cd ~` or just `cd`
Create a new directory called `test` by running `mkdir test`.

Now, type `cd test` to enter that directory.
Use `pwd` to print out the path to this directory which we have entered.

Note that this is the same path as your home directory, but with `/test` appended.

Next, try to create a new directory called `subtest` in `test`. What do you type into `klaatu` or your VM to create that `subtest` directory? Use relative path.

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Go into the `subtest` directory by typing `cd subtest`.

You can always use `cd ..` to go *up* a directory.
Run `cd ..` and then run `pwd`.
By going up a directory, we removed the last word from the path!

Which directory are you in now?

- () Your home directory
- () `test`
- () `subtest`
- () Other directory

Which is the previous directory (the one you were in before doing `cd ..`)?

- () Your home directory
- () `test`
- () `subtest`
- () Other directory

Run `cd ..` again.
Which directory are you in now?

- ☐ Your home directory
- ☐ `test`
- ☐ `subtest`
- ☐ Other directory

From your previous answers, what does the `cd ..` do?

- ☐ `cd ..` goes to the parent directory
- ☐ `cd ..` goes to the previously visited directory
- ☐ `cd ..` goes to the directory named `..`

What command can you type in to quit out of the shell?

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