

# Bash Day 1 Loops

4 parts of a for loop

For starts the loop

In describes what the loop should look through

Do indicates what commands to run

Done closes the loop

You can use ";" to write out a loop

ex

```
for item in mercury venus mars; do echo $item; done
```

You can do multiple things in the do section of the loop

```
for item in earth mars venus ; do echo $item; echo $item >> planets.txt; done
```

You need >> in order to have every entry added to the file if its just one > the content

will be overwritten every time and only give you a file with the last item Venus

Cat

Stands for concatenate it will print the whole contents of a file onto the screen

You can use cat to pull the contents of a file out to be iterated by a loop

```
for item in $(cat planets.txt); do echo $item; done
```

The `$()` indicates there is a command to follow.