

# Lecture 1 (1-12-26)

- This is the **Unix** philosophy (will be on exam 1):
  - write programs that do **one thing** and **do it well**
  - write programs that work **together**
  - write programs that handle **text streams**, because that is a universal interface
- Env command shows all the active variables (used with a pager here)

• Env | less

- press space to navigate to the next page
- press 'q' to exit page
- The env command returns a lot of:  
- variable\_name = value
- By convention shell variables are all CAPS
- the following command is dereferencing the value of the SHELL variable

```
echo $SHELL
```

- the following command is assigning cat to the SHELL variable, must be NO SPACES
- SHELL=cat
- when using man pages on the web make sure it is LINUX man page

```
alias va="ls -la"
```

- this aliases "ls-la" as "va"
  - but this doesn't work on a new shell
  - we need to add to config (bashrc) file for it to persist

```
source ~/.bashrc
```

- this loads the bashrc file again
  - this is helpful so that if you update the config you don't have to restart the terminal to use the change

```
cd -
```

- this takes me back to where I just was