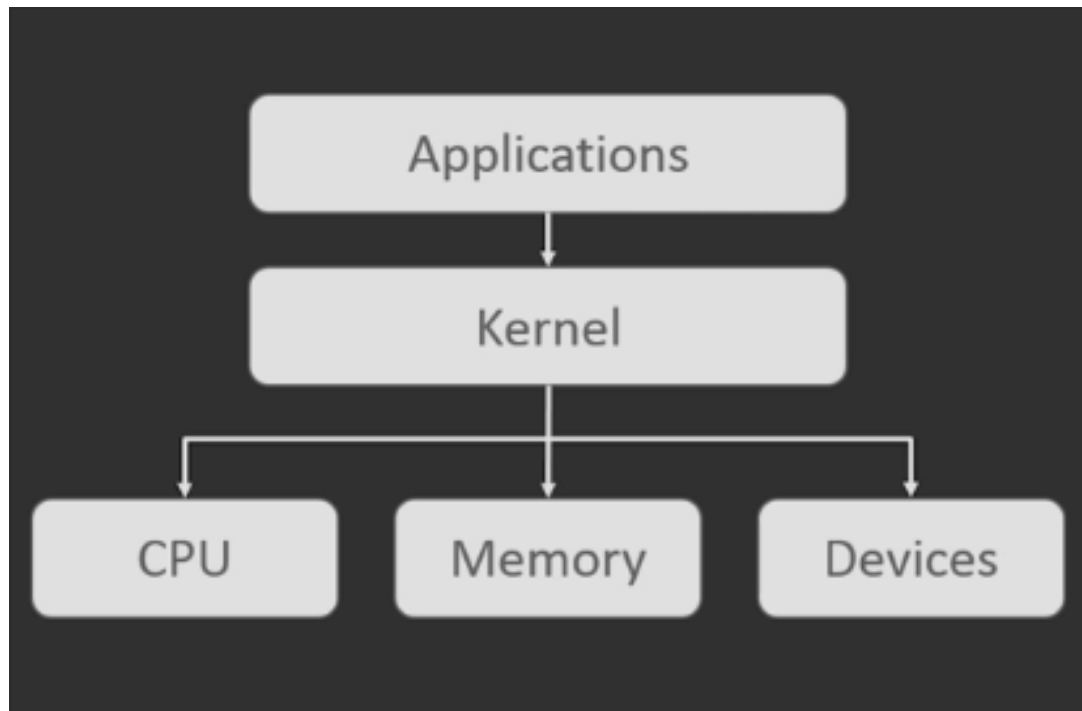


Bash Scripts



- Users communicate with the OS through a program called the Shell.

Commands	
cd	changes the directory
pwd	shows the current path
ls	lists of items on the path
cp	copies a file to new file.
mv	moves files a to different path or changes name of the file.
rm	removes files or directory.
echo	prints
cat	presents the value of the file
less	
grep	
mkdir	creates directory
touch	creates file
chmod	changes modes

chmod

- changes mode of the file.
- i.e. >> chmod 700 hello.sh
- 700 => means ugo
 - u => user rights
 - g => user group rights
 - o => everbody

```
0 = 0 = nothing
1 = 1 = execute
2 = 2 = write
3 = 2+1 = w+x
4 = 4 = read
5 = 4+1 = r+x
6 = 4+2 = r+w
7 = 4+2+1 = r+w+x
```

Notes:

- # Use Comments via
- Every file should start with: #!/bin/bash
- Open applications by Name
 - open -a "Google Chrome"
 - open -a "Safari"
- ls -l: shows the permissions of the file.

```
stelselim@192 bash % ls -l
total 16
-rwxrwxrwx 1 stelselim staff 45 Jan 29 23:10 hello.sh
-rw-r--r-- 1 stelselim staff 251 Jan 29 23:27 scenario.sh
stelselim@192 bash % chmod +x scenario.sh
stelselim@192 bash % ls -l
total 16
-rwxrwxrwx 1 stelselim staff 45 Jan 29 23:10 hello.sh
-rwxr-xr-x 1 stelselim staff 251 Jan 29 23:27 scenario.sh
```

- Coded some functions in shell script.
under the learning directory. (shell_scripting)

