

Lab 2 – Navigation

1. For each of the following paths, identify whether it is absolute or relative:

<code>/home/user/Downloads</code>	
<code>../Reports</code>	
<code>/var</code>	
<code>docs</code>	
<code>/</code>	

2. Observe the following file structure. Note: Directories end with a slash (/) when tree is invoked with the -F option. You will need elevated privileges in order to run the tree command on the root (/) directory. The following is example output and is not indicative of a full directory structure. Use it to answer the following questions:

```

/
├── etc/
│   ├── network/
│   │   └── interfaces
│   ├── systemd/
│   │   ├── resolved.conf
│   │   ├── system/
│   │   ├── system.conf
│   │   ├── user/
│   │   └── user.conf
│   └── udev/
│       ├── rules.d/
│       └── udev.conf
└── home/
    ├── lost+found/
    └── user/
        └── Documents/

12 directories, 5 files

```

Use this structure to answer the following questions. A user enters the following commands:

```

$ cd /etc/udev
$ ls -a

```

What will be the output of the ls -a command?

3. Enter the shortest possible command for each of the following:
- Your current location is root (/). Enter the command to navigate to lost+found within the home directory.
 - Your current location is root (/). Enter the command to navigate to the directory named /etc/network/.

- c. Your current location is `/home/user/Documents/`. Navigate to the directory named `/etc/`.
 - d. Your current location is `/etc/systemd/system/`. Navigate to the directory named `/home/user/`.
- 4. Consider now we are at Home directory. Using linux commands you have learned to:
 - a. Display the current directory
 - b. Change directory to Desktop
 - c. Create a folder named TPOS
 - d. Change directory to Home directory
 - e. Change directory to TPOS using Absolute Path
 - f. Change directory to a folder Document in the username folder using Relative Path
- 5. Using linux commands you have learned to:
 - a. Create folder in a Document folder and name it "TP01"
 - b. Create text file name "file.txt"
 - c. Write "I am YOUR NAME" in file.txt.
 - d. Change directory to Desktop using Relative path.
 - e. Read file "file.txt" from Desktop using Relative path