Christmas Cheer Laser, part 9

Answers to Previous Questions

10) What OS is this terminal runnning?

The file system looks like Linux. Check with these two commands.

```
PS /home/elf/archive/refraction> gc /etc/lsb-release
DISTRIB_ID=Ubuntu
DISTRIB_RELEASE=18.04
DISTRIB_CODENAME=bionic
DISTRIB_DESCRIPTION="Ubuntu 18.04.3 LTS"
PS /home/elf/archive/refraction>
```

Yes, it's Linux. What does \$PSVersionTable have to say?

```
PS /home/elf/archive/refraction> $PSVersionTable
Name
                                Value
PSVersion
                                6.2.3
PSEdition
                                Core
GitCommitId
                                6.2.3
                                Linux 4.19.0-6-cloud-amd64 #1 SMP Debian 4.19.67-2+deb10u2 (2...
os
Platform
                                Unix
PSCompatibleVersions
                                {1.0, 2.0, 3.0, 4.0...}
                                2.3
PSRemotingProtocolVersion |
                                1.1.0.1
SerializationVersion
 NSManStackVersion
                                3.0
```

PowerShell Core 6.2.3 on Ubuntu 18.04.3

11) How do you run a brand new script/executable in this OS? (If you need a hint look in /bin. The permissions are in Windows format instead of rwx format, but there is still useful information.) In Linux, a script or executable has to have the execute permission, the 'x' in 'rwx'.

You normally add that permision with chmod +x filename

In /bin, we find that chmod may be available.

```
PS /home/elf> dir /bin
    Directory: /bin
                      LastWriteTime
                                              Length Name
                   6/6/19 10:28 PM
                                             1113504 bash
                                             59608 chmod
35000 echo
219456 grep
                  1/18/18 9:43 AM
                  1/18/18 9:43 AM
                  9/18/19 3:00 PM
                  12/1/17 4:11 AM
                                              170760 less
                  8/22/19 11:47 PM
                                               38952 more
                                              154192 netstat
                  1/10/17 4:25 AM
                   8/9/19 3:37 PM
                                              133432 ps
                  1/18/18 9:43 AM
3/22/19 7:05 PM
                                               35000 sleep
                                               44664 su
PS /home/elf>
```

12) What is the value of the last parameter?

The value of the fourth parameter is refraction?val=1.867.

Note: You may have to go back and expand the archive again, sorry.

Use the parameters you've found and the API information from

Invoke-WebRequest -Uri http://localhost:1225/).RawContent

to return the laser to operation. Note: It's a good idea to turn the laser off, make the changes, then turn the laser on and check status. Also, the gas values are submitted by a POST instead of a GET request.

Question

What commands did you use to restore the laser to operation?