# Christmas Cheer Laser, part 1

For those playing the Holiday Hack Challenge Game <https://holidayhackchallenge.com/2019/> the terminal is in the laboratory in Hermey Hall, next to Sparkle Redberry. If you are not playing the game you can access the terminal directly at <https://docker2019.kringlecon.com/?challenge=powershell&id=05a5814c-e84f-49cd-b8d6-14605ff520e8>

Sparkle asks us to correct the settings on his Christmas Cheer Laser and tells us that we will need to use PowerShell. He even gives us the link to a PowerShell cheat sheet.  
<https://blogs.sans.org/pen-testing/files/2016/05/PowerShellCheatSheet_v41.pdf>



## Getting started

Connect to the terminal and read it’s opening instructions. You will find the path for a taunting note the attacker left, and instructions on how to access the laser’s Web API.

# Questions

1. Read the attacker’s taunting note. What command would access the data he suggests we look at?
2. Use the PowerShell command for getting a web page, Invoke-WebRequest, to see the status of the laser (the command is in red in the laser terminal.) What parameters will we have to find to correctly calibrate the laser? Hint: one of them is lens refraction, or refraction.