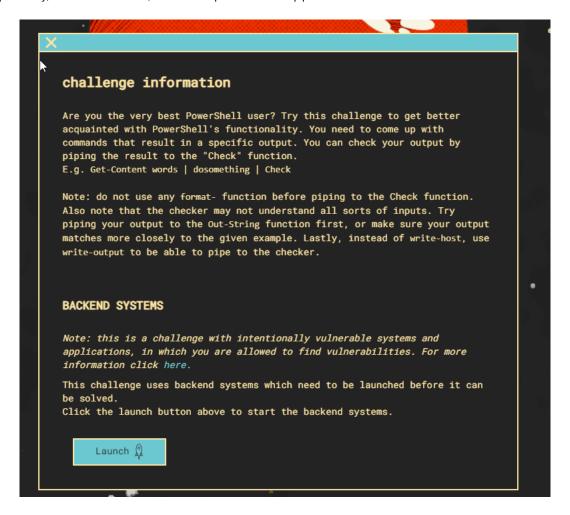


# **Power Snacks**

# Challenge information

Are you the very best PowerShell user? Try this challenge to get better acquainted with PowerShell's functionality. You need to come up with commands that result in a specific output. You can check your output by piping the result to the "Check" function. E.g. Get-Content words | do something | Check

Note: do not use any format- function before piping to the Check function. Also, note that the checker may not understand all sorts of inputs. Try piping your output to the Out-String function first, or make sure your output matches more closely to the given example. Lastly, instead of write-host, use write-output to be able to pipe to the checker.



## 1>42

Write a script that writes out all numbers (1 per line) from 1 to 1337, inclusive. However, if the number is divisible by 42, instead, print the string "Life, the universe, and everything". Example excerpt given below:..4041Life, the universe, and everything43.

Points [25 points]

Power Snacks 1

```
enter flag
  [25 points] 42
  Write a script that writes out all numbers (1 per line) from 1 to 1337,
  inclusive. However, if the number is divisible by 42, instead, print the
  string "Life, the universe, and everything". Example excerpt given below:
  40
  41
  Life, the universe, and everything
  43
flags
```

#### Solution -

- We are supposed to make a Powershell script which will print all the numbers from 1 to 1337 but will print the given text if the number is divisible by 42, after some research I was able to make the script given below
- Usage :- Print-inRange | Check

```
function Print-inRange
for ($num = 1 ; $num -le 1337 ;$num++ )
{if ((\$num % 42 ) -eq 0) {"Life, the universe, and everything"} else {"\$num"}}
```

- Flag 1 :- CTF{using\_your\_powers\_for\_powershell}
- Reference Link :- https://www.reddit.com/r/PowerShell/comments/frifjt/writing a script to show a number as odd or even/

## 2> Scrabble

You're playing scrabble with your friends. You have the letters "iydhalao". Which are the words you can form? First, sort them by increasing size, then alphabetically. Only include words of two letters and more. Make use of the dictionary file "dictionary" in /workdir. Example excerpt is given below for different letters

....

pad

pea

aped

deaf

....

Solution

Power Snacks 2

```
($(Select-String -Path "dictionary" "^[holiday']{2,8}$" -CaseSensitive | Select-String -NotMatch -Pattern "h.*h|o.*o|l.*t|i.*i|d.*d|a.*a|y.
```

Flag:-CTF{using\_your\_holidays\_for\_learning\_powershell}

#### **3> TSV**

In the tab-separated file "passwords.tsv" you get an overview of often-used passwords. Can you give us an overview of the number of passwords per category? Sort the result by descending count. Example except given below.

Name	Count			
nerdy	30			
animal	19			

#### Solution

```
Import-Csv -Delimiter "t" -Path passsowrds.tsv | Group-Object category | sort Count -Descending | Select-Object Name, Count | check
```

Flag:- CTF{powerful\_password\_filtering}

#### 4> Names

Given the passwords file, supply a list of passwords from the 'names' category ordered first by ascending passwords length, then alphabetically. Example excerpt given below.

```
scott
steve
albert
alexis
......
```

```
Import-Csv -Delimiter "t" -Path passsowrds.tsv | Where-Object ($_.category -eq "names") | Select-Object password | sort {$_.password.lengt
```

Flag :- CTF {im\_a\_powershell\_pro}

Power Snacks 3