Regular Crowd 1

50

Find the md5sum of the line that meets these criteria 1. Begins and ends with the same character. 2. Has a double character (i.e. 33 or aa)

⬇ regular_...

In powershell I ran the following lines of code:

$a = Get-Content .\regular_crowd.txt

That will pull the contents into a variable

Next, we have some fun long code to filter out the two rules.

$a | % {if($_[0] -ceq $_[-1]){$_}} | % {for($i=0;$i -lt $_.length;$i++){if($_[$i] -eq $_[($i+1)]){$_}}}| %{ Get-FileHash -Algorithm MD5 -InputStream ([System.IO.MemoryStream]::New([System.Text.Encoding]::ASCII.GetBytes($_)))}

% {if($_[0] -ceq $_[-1]){$_}} – read each line and case sensitive match the first and last char.

% {for($i=0;$i -lt $_.length;$i++){if($_[$i] -eq $_[($i+1)]){$_}}} – read the filtered results and create a for loop to match any two characters matching each other next to one another and pass along the full line

%{ Get-FileHash -Algorithm MD5 -InputStream ([System.IO.MemoryStream]::New([System.Text.Encoding]::ASCII.GetBytes($_)))} – read the line and generate a hash in MD5

Flag: 0144A8DD049F8C09C1E473979408AEC6

Regular Crowd 2

50

Find the md5sum of the line that meets these criteria: 1. 5 character palindrome

A palindrome is the same word spelled forwards or backwards, so like dad or mom.

Logic on this is that the first 5 characters where the first two character are the same as the last two characters reversed.

$a | % {for($i=0;$i -lt $_.length;$i++){if(($_[$i] -ceq $_[($i+4)]) -and ($_[$i+1] -ceq $_[($i+3)])){$_}}}

Gives us our answer: Wwptptp5Cpc

$a | % {for($i=0;$i -lt $_.length;$i++){if(($_[$i] -ceq $_[($i+4)]) -and ($_[$i+1] -ceq $_[($i+3)])){$_}}} | %{ Get-FileHash -Algorithm MD5 -InputStream ([System.IO.MemoryStream]::New([System.Text.Encoding]::ASCII.GetBytes($_)))}

Hashed we get: 77471933D5F43D4F1BFCE08D42AA7BB4

Flag: 77471933D5F43D4F1BFCE08D42AA7BB4