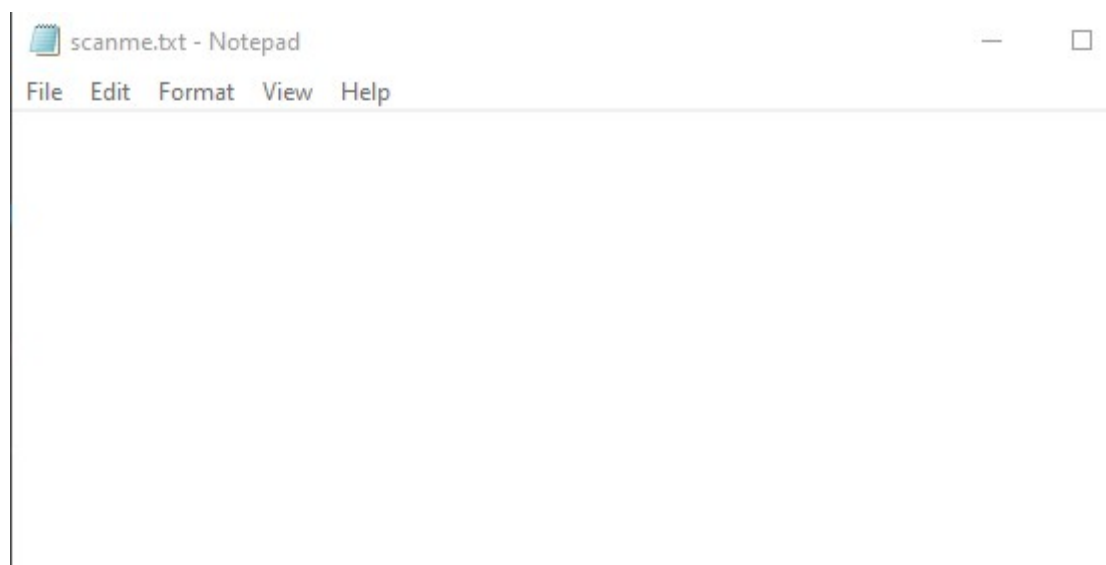# Qool-Raster - Forensics/Stegonagraphy - Medium

Challenge

For this challenge, the only description we are given is a period symbol: `.`

We are then given a .txt file to download called `scanme.txt`

Process

In this challenge, I first downloaded the text file and opened it up in Notepad. At first, it appears that there is not content inside of the file.

I decided to try opening this file in a different editor. I opened it in Visual Studio Code and found that saw that there were indentations in the file, shown by the bars in the image below.

Highlighting the contents of the file showed that the file contained multiple period symbols.
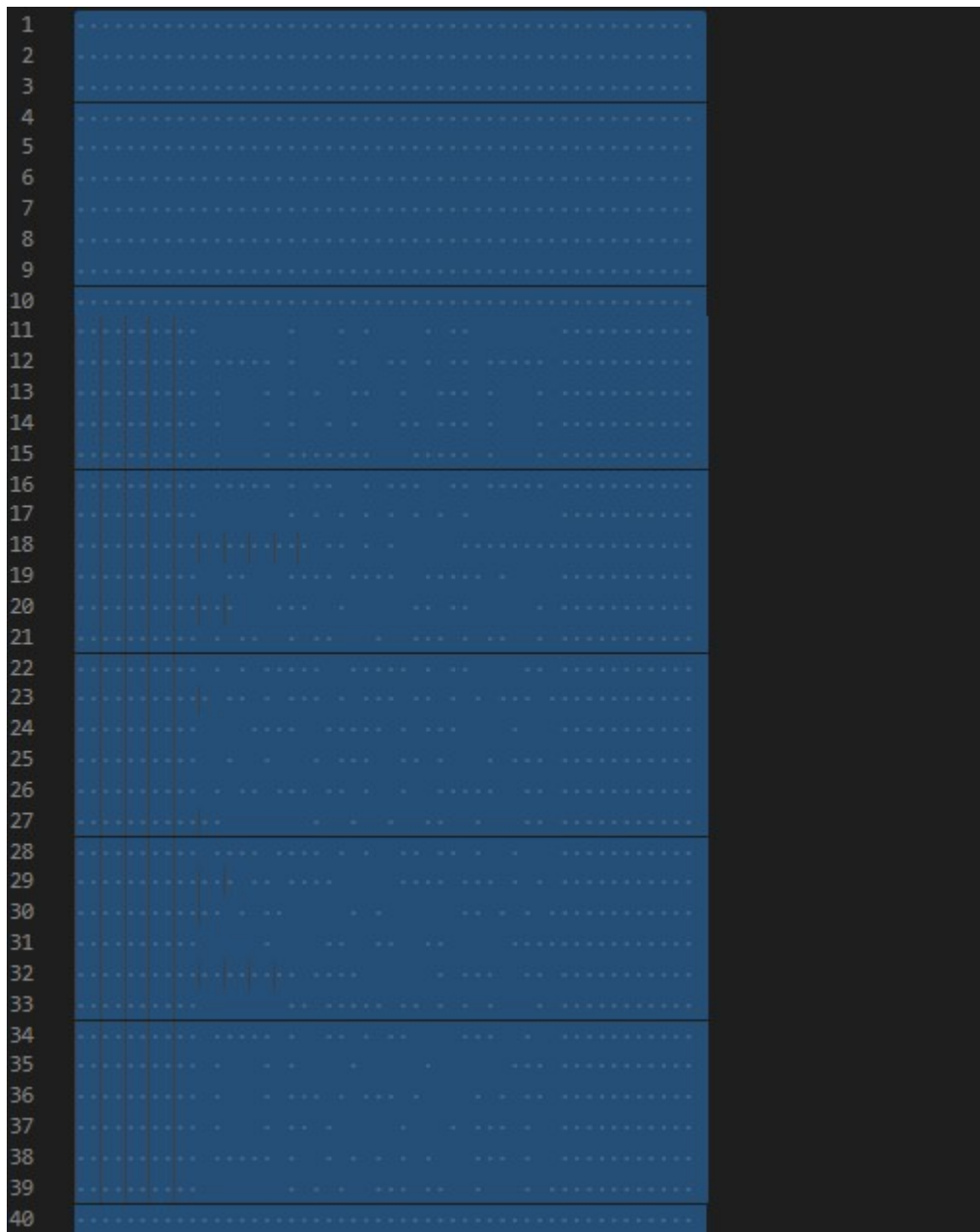
Looking at the highlighted contents, it seems to look similar to a QR code. In VSCode, if you highlight something, it will show you all the matches in the file of the text you just highlighted. For example, if you highlighted the word "highlight", all instances of the word "highlight" would be shown with gray highlight.

I found that if you highlight one space in the scanme.txt file, all those highlighted spaces would create the QR code we are looking for.

After finding this QR code, I attempted to scan in on my phone, but that didn't work. I then took a screenshot of the QR code and ran it in an online QR scanner tool called 4qrcode. Running it in this tool gave me the flag.
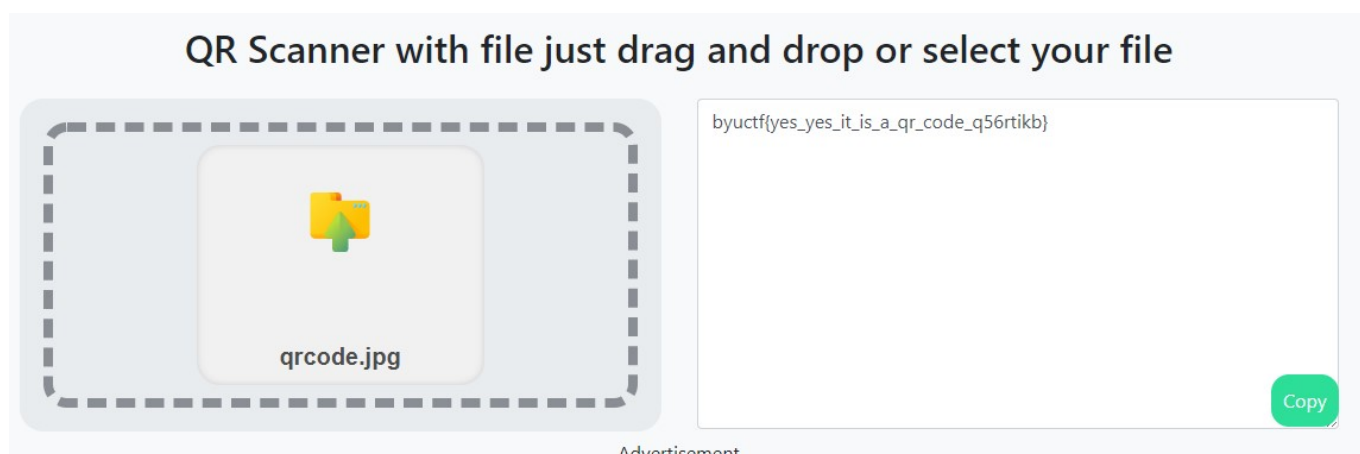
Flag

byuctf{yes_yes_it_is_a_qr_code_q56rtikb}

Real World Application

This challenge taught how to solve problems when giving very little information. There was no description given for the challenge and the only helpful information given was from the file name. In this writeup, I walked through the solution of the challenge, but there were many other things I tried that did not help me to solve the

challenge. However, this challenge taught me the importance of trying different things, thinking outside the box, and always moving forward, even if there is not much information to go off of.