

HACKQUEST 4.0

CONTEST REPORT

Contest Date: 2nd November 2019



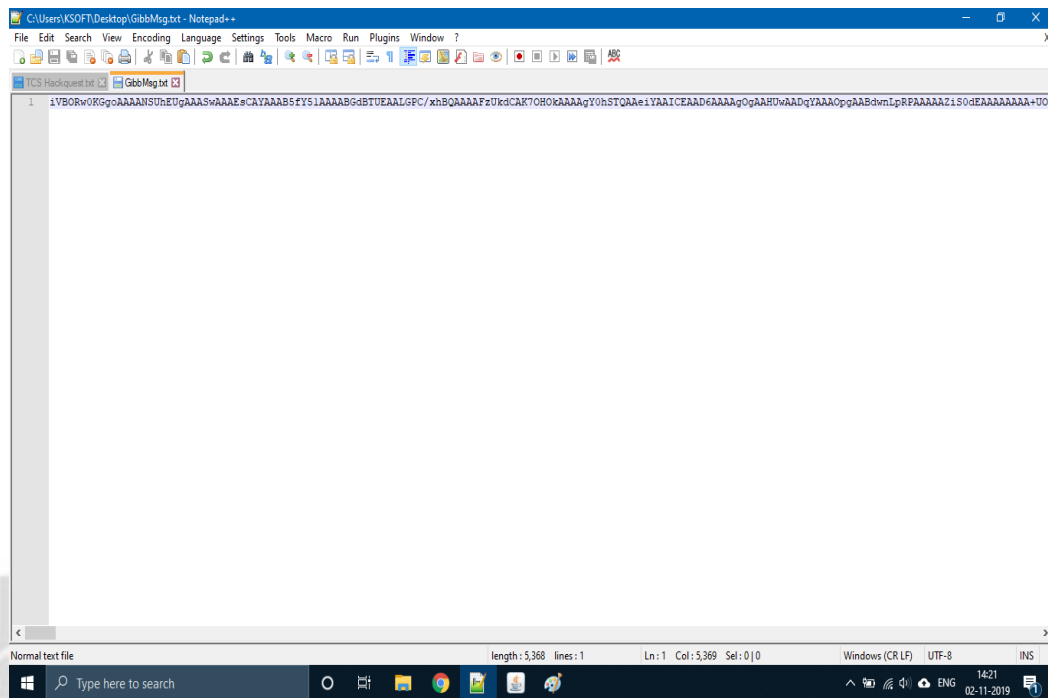
CT ID	DT20195111485
Total Challenges solved	2
Skills in Security	Reverse Engineering, Application Security
Skills in Development	Android, Web(Backend)
Other Skills	

Challenge Title: Alien Message

Flag: hq4{They.will.come1}

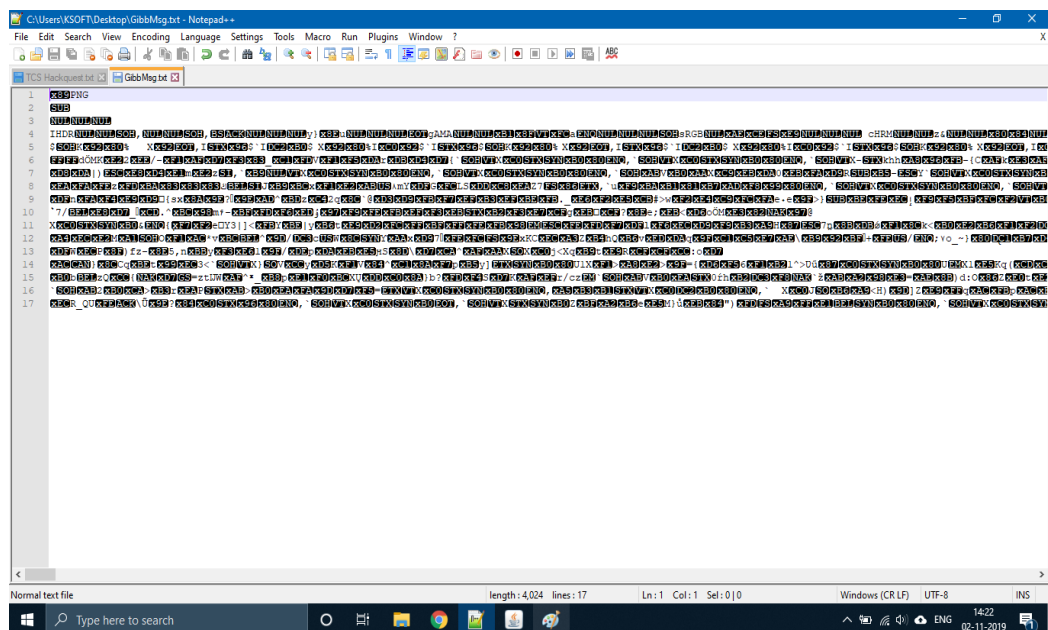
Approach (Step by Step):

1. By looking at Gibberish Message, I had Identified it quickly as Base64 Encoded String.
2. I copy that String into Notepad and Decode from Base64.



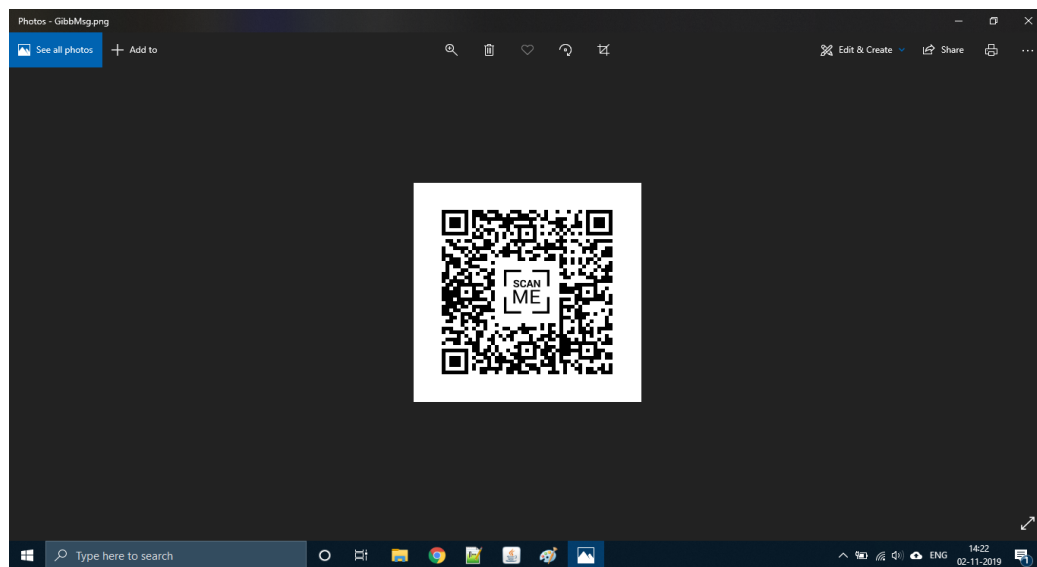
A screenshot of a Notepad++ window titled 'C:\Users\KSOFT\Desktop\GibbMsg.txt - Notepad++'. The window shows a single line of text in a Base64 encoded format: `1YBORvK0GqAAAAANSUheUgAAASwAAAEeCATAAASfYS1IAAAABGdBTUEALGFC/xhBQAAAAFzUkdCAK7OHOkAAAgY0hSTQAAe1YAAITCEAAD6AAAAqQgAAHUAADqYAAAOpqAABdvnIpfFAAAAAZiS0dEAAAAAAA+UO'`. The status bar at the bottom indicates 'length: 5,368 lines: 1', 'Ln: 1 Col: 5,369 Sel: 0|0', 'Windows (CR LF)', 'UTF-8', and 'INS'.

3. Dump Decoded content into one file.
4. By looking the Content of File, I realized that its PNG Image.

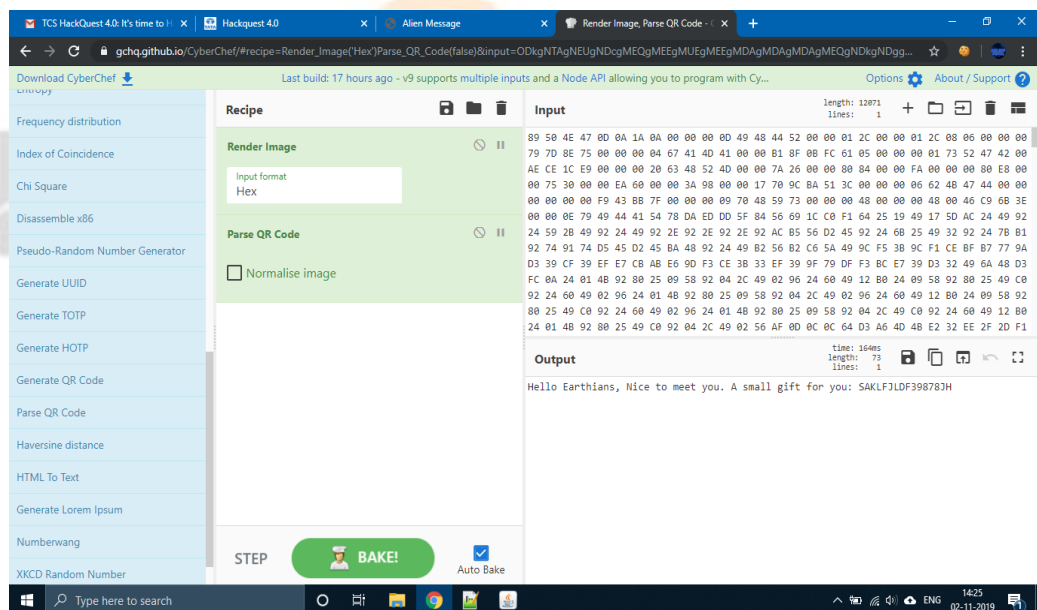


A screenshot of a Notepad++ window titled 'C:\Users\KSOFT\Desktop\GibbMsg.txt - Notepad++'. The window shows the decoded content of the Base64 string, which is a PNG image header and metadata. The text is displayed in a monospaced font, with the first few lines being: `1 PNG
2 IHDR
3 sRGB
4 tEXt
5 ...`. The status bar at the bottom indicates 'length: 4,024 lines: 17', 'Ln: 1 Col: 1 Sel: 0|0', 'Windows (CR LF)', 'UTF-8', and 'INS'.

5. I Changed its Extension to .png and Open Image.
6. And I found QR Code

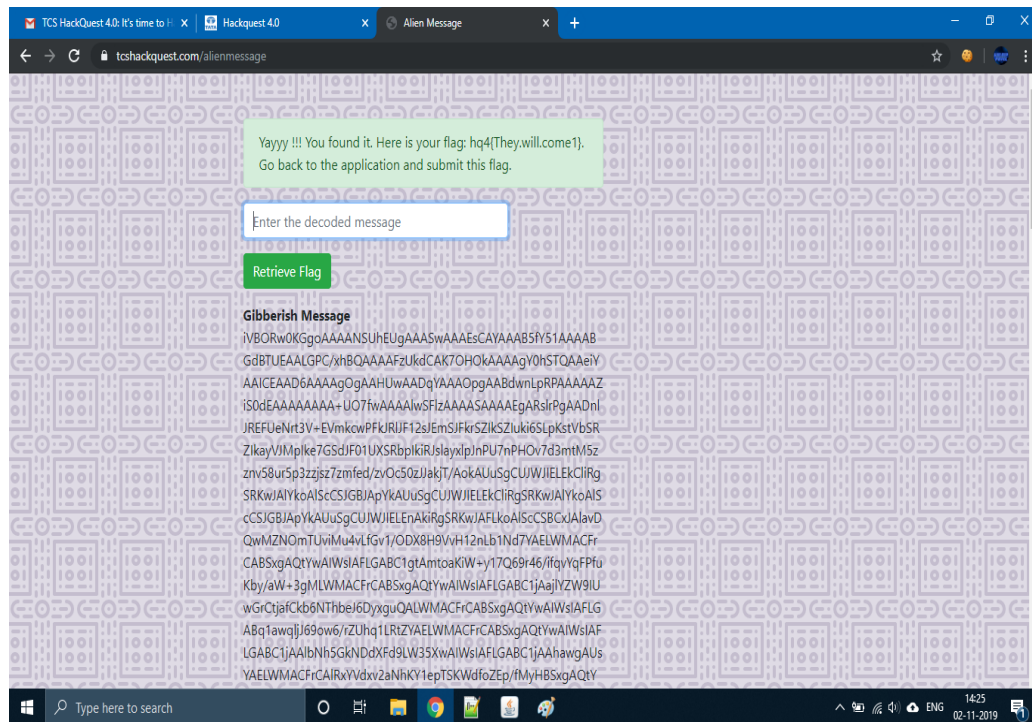


7. Then I Copy Image and Paste into One Tool Which can read image to scan QR Code



8. Message into QR Code was “Hello Earthians, Nice to meet you. A small gift for you: SAKLFJLDF39878JH”

9. I quickly Submitted Gift “SAKLFJLDF39878JH” to Page and Got Flag.



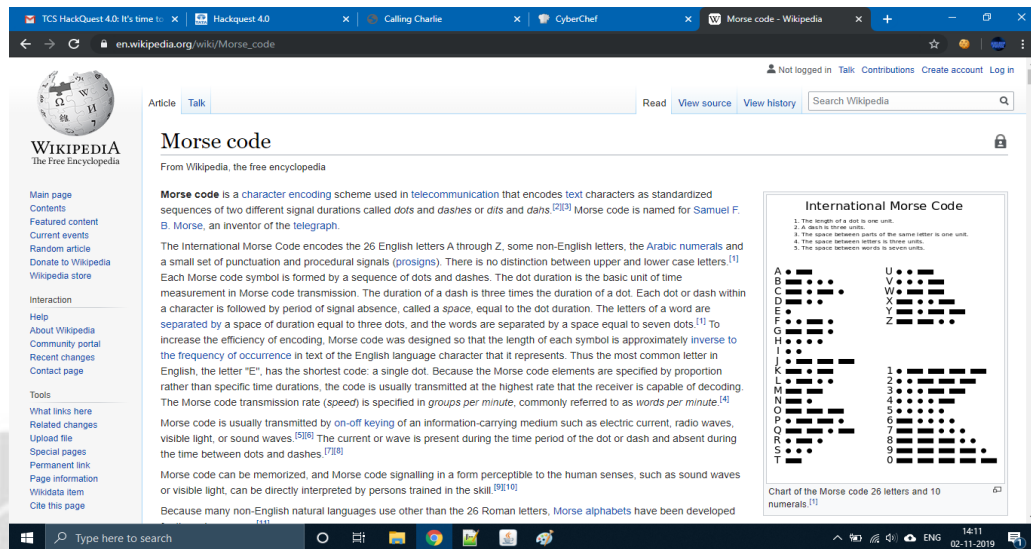
HACKQUEST 4.0

Challenge Title: Calling Charlie

Flag: `hq4{hows!theljosh1}`

Approach (Step by Step):

1. Downloaded Intel Data “accesscode.wav” was Sound File.
2. I run in Media Player and Heard Weird Tone.
3. I Recognise this Tone like Dot, Dash use in Morse Code
4. Short Tone was Dot and Long Tone was Dash.
5. I play it slowly and Note its pattern.
6. I match it with Wikipedia Given Translation for Morse Code to Text



7. I got message “JSDFHJKDSADK43”.
8. I submitted message to page and got Flag.

