

First of all, I decided to check the contents of this file by using,

\$ cat Y0D4.jpg

```
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?R?N?? L???: °?@?]?????死!0?%??3??<?????3=
                                W?W?4Q?]&?<sup>1</sup>???T????M8*???5?
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                                       ????uz?.??X?:
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         ?_MACOSX/SIF_LFR II_FNYLLF_
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         ?Sacred archives
P?&:???w?????QO_:B?X??S? <sup>L</sup>V?N
                     ??. "?8??
                            ?1?<sup>-</sup>?:???W??RK??JM
               ???? ?>?0?
                       /Sacred archives/Dont open/Is_This_Really_It.jpg
```

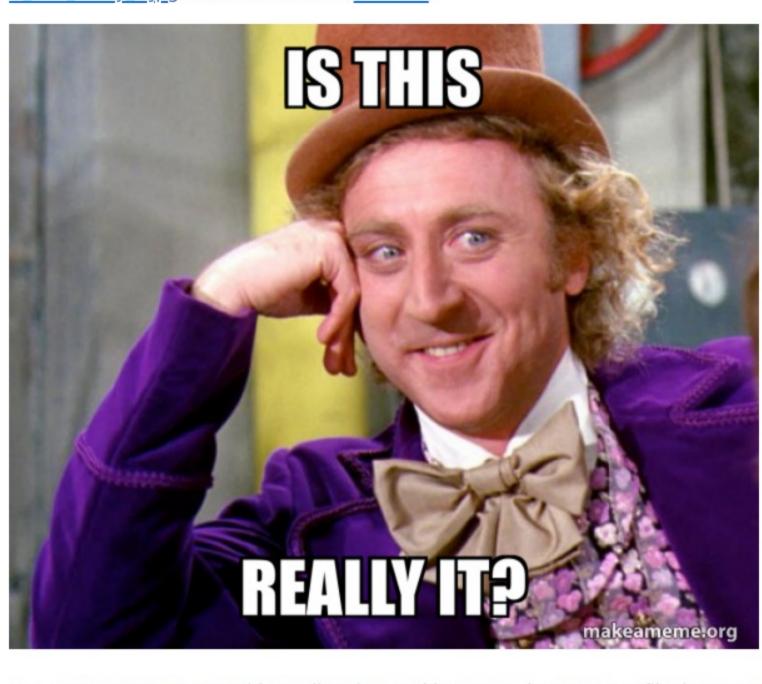
The last section showed Sacred archives/Dont open/Is_This_Really_It.jpg, so I knew there was a file hidden inside YOD4.jpg.

```
So I used Stegextract on Y0D4.jpg, and it extracted a Y0D4.rar file.
[vagrant@ubuntu-bionic:/vagrant/vishwa$ ./stegextract/stegextract Y0D4.jpg
Detected image format: JPG
Extracted trailing file data: binary data, might contain embedded files.
Performing deep analysis
Found embedded: RAR
Done
 vagrant@ubuntu-bionic:/vagrant/vishwa$
```

YOD4 rar was not password protected, and showed the following folders and files

YUD4.rar was not password protected, and showed the following folders and files,		
✓ Ø Y0D4.rar	337KB	3/21/2022
✓ _MACOSX	85KB	2022/03/18
✓ Sacred archives	85KB	2022/03/18
✓ ■ Dont open	85KB	
is_this_it.jpg	85KB	2022/03/18
✓ Sacred archives	255KB	2022/03/18
✓ ■ Dont open	255KB	
■ Is_This_Really_It.jpg	255KB	2022/03/18

Is_This_Really_It.jpg was a contained in Y0D4.rar,



So I ran Stegextract on Is_This_Really_It.jpg, and it extracted a ASCII text file that contained the string flag: {H1DD3N_M34N1NG}.

```
[vagrant@ubuntu-bionic:/vagrant/vishwa/stegextract$ ./stegextract Is_This_Really_It.jpg
Detected image format: JPG
Extracted trailing file data: ASCII text, with no line terminators
Performing deep analysis
vagrant@ubuntu-bionic:/vagrant/vishwa/stegextract$ cat Is_This_Really_It_dumps
flag:{H1DD3N_M34N1NG}vagrant@ubuntu-bionic:/vagrant/vishwa/stegextract$
```

Therefore, the flag is

vishwaCTF{H1DD3N_M34N1NG}