

D1T

You hear that? ... no ... maybe you are not right in the **HEAD**

Note

Submit the flag in the format `cotd{sometext}`

Use the wav file given below as the starting point of the chall

Description

A .wav audio file is given with the above prompt.

Writeup

I tried playing the given audio file. But the audio isn't playing.

It is indicative from the prompt that we need to check the header of the given audio file.

So I used xxd command to hexdump.

```
jithendranadh@Jithendras-MacBook-Air Downloads % xxd chall.wav
00000000: 4c49 4645 8a36 0200 5341 5645 666d 7420  LIFE.6..SAVEfmt
00000010: 1000 0000 0100 0100 2a2b 0000 2a2b 0000  .....*+...*+..
00000020: 0100 0800 6461 7461 6a36 0200 8080 8181  ....dataj6.....
00000030: 807f 7c7a 7a7c 7f84 8789 8883 7d76 7272  ..|zz|.....}vrr
00000040: 777f 888f 918e 867b 716b 6b72 7d8b 9599  w.....{qkkr}...
00000050: 958a 7a6c 6363 6c7c 8e9c a19c 8e7a 675c  ..zlcc1|.....zg\
00000060: 5b66 7a90 a2a9 a392 7a63 5553 6078 92a7  [fz.....zcUS`x..
00000070: b1aa 967a 5f4e 4c5a 7593 adb8 b29b 7b5c  ...z_NLZu.....{\
00000080: 4844 5472 94b1 bfb9 a07d 5a42 3d4e 6e95  HDTTr.....}ZB=Nn.
00000090: b5c5 c0a5 7e57 3c36 476a 95b9 ccc6 aa81  ....~W<6Gj.....
000000a0: 5638 3041 6694 bcd1 cdb0 8355 332a 3b62  V80Af.....U3*;b
000000b0: 93bf d6d3 b586 5430 2435 5e92 c0db d9ba  ....T0$5^.....
```

There are two words **LIFE** and **SAVE** wherein generally those words must be **RIFF** and **WAVE** respectively.

So I used vim to change the text.

```
RIFF<8a>6^B^@WAVEfmt
81><80>^?|zz|^?<84><8
<95><8a>z1cc1|<8e><9c
```

Then when I tried to play the file it returned a morse encoded audio file.

So I used an online morse decoder [morsecodeworld](https://morsecodeworld.com/) to decode and got the flag.

COTDDoT5NDA5H3SM3AN5MoRS3

COTD{D0T5_N_DA5H3S_M3AN5_M0RS3}