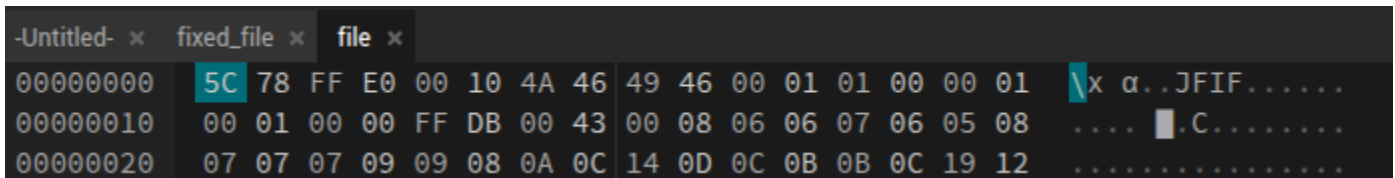


Corrupted file

Flag : picoCTF{r3st0r1ng_th3_by73s_0e8fb0ec}

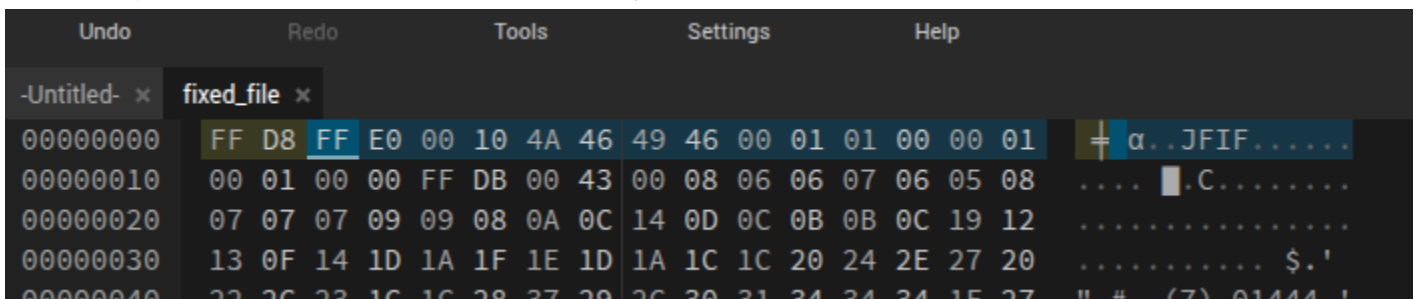
Solution Approach

1. Given a file which is corrupted so i open it in HexEditor
2. Clearly the header is JFIF ie it is for JPEG/JPG data file . whose header is not having the correct magic bytes



```
-Untitled- x  fixed_file x  file x
00000000  5C 78 FF E0 00 10 4A 46 49 46 00 01 01 00 00 01  \x\alpha..JFIF.....
00000010  00 01 00 00 FF DB 00 43 00 08 06 06 07 06 05 08  .... .C.....
00000020  07 07 07 09 09 08 0A 0C 14 0D 0C 0B 0B 0C 19 12  .....
```

3. After inputting the correct magic bytes i save this file



```
Undo      Redo      Tools      Settings      Help
-Untitled- x  fixed_file x
00000000  FF D8 FF E0 00 10 4A 46 49 46 00 01 01 00 00 01  +\alpha..JFIF.....
00000010  00 01 00 00 FF DB 00 43 00 08 06 06 07 06 05 08  .... .C.....
00000020  07 07 07 09 09 08 0A 0C 14 0D 0C 0B 0B 0C 19 12  .....
```

4. Then i open it in image viewer and the Flag is written in it



picoCTF{r3st0r1ng_th3_by73s_0e8fb0ec}

5. To extract the text i run the command `tesseract fixedimg output`
6. The output.txt is created which contains the flag as text