IDSN 599: Machine Intelligence

Goal

Science fiction writers have been making up their own curse words for a while. The FCC has recently decided it needs to put a stop to it. Below is a list of the seven 4-letter science fiction words you may not say on television. The words are:

1. dren
2. frak
3. frel
4. glob
5. grud
6. narf
7. zark

The FCC has directed you to replace them with the word "BEEP". Your program will take a line of dialog from a TV show and censor it appropriately.

Setup

- Create a Python file called **lp03.py**.
- Your **lp03.py** file must begin with comments in the following format (replace the name and email with your actual information):

```
'''
Name
IDSN 599, Fall 2021
USC email
Lab practical 3
'''
```

Requirements

Your program must perform the following:

- Ask the user for a line of text to censor. If the user enters nothing and presses return, quit the program.
- If the user entered any text, convert the string of input into a list, then iterate over the list
- If a bad word was found in the input, replace it with "BEEP".
- Once replaced, put the list back into a string and display it.
- You can assume the user will enter NO punctuation.

Sample output

Below is your target output for a full run-through of the program. User input is in **red**.

```
What shall I censor: Frak I messed this dren up
BEEP I messed this BEEP up
What shall I censor: Narf isn't a bad word is it
BEEP isn't a bad word is it
What shall I censor: What about zark is ZARK okay
What about BEEP is BEEP okay
What shall I censor:
Goodbye!
```

Deliverables

1. A compressed folder containing **lp03.py**, named **lab03.zip**.