

HOW TO REGEX

STEP 1: OPEN YOUR FAVORITE EDITOR



STEP 2: LET YOUR CAT PLAY ON YOUR KEYBOARD



Regular Expressions (Regex)

- Regex, or regular expressions, are special sequences used to find or match patterns in strings.
- These sequences use [metacharacters](#) and other syntax to represent sets, ranges, or specific characters.

Why use RegEx?

- It is fast, powerful and extremely useful!
 - (and fun)
- Most programming languages understands it.
- Regular expressions have many real-world uses cases, which include:
 1. Form-input validation
 2. Web scraping
 3. Search (and replace)
 4. Filtering for information in massive text files (such as logs)

Why use RegEx?

- The memes!



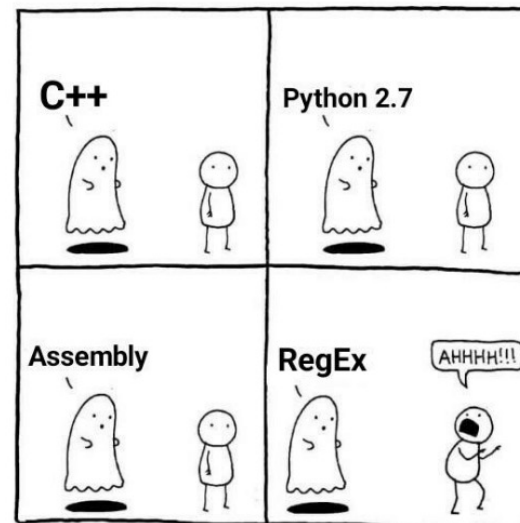
https://www.reddit.com/r/ProgrammerHumor/comments/aoktpr/regex_is_life/



<https://medium.com/@sydcjohnson/regular-expression-for-dummies-1062e5d74b7a>

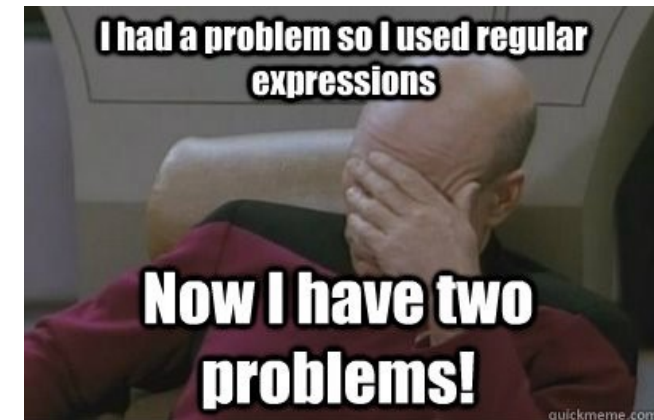


https://www.reddit.com/r/ProgrammerHumor/comments/11k4iy/every_time/



None could compare to its
fierce looks and deadly syntax

<https://mtruongn93.github.io/blog/alternative-for-confusing-Regex.html>



<https://medium.com/@sydcjohnson/regular-expression-for-dummies-1062e5d74b7a>

RegEx terminology

- **Pattern:** regular expression pattern
- **String:** test string used to match the pattern
- **Digit:** 0-9
- **Letter:** a-z, A-Z
- **Symbol:** !\$%^&*()_+|~-=`{}[]:"';'<>?,,./
- **Space:** single white space, tab
- **Character:** refers to a letter, digit or symbol

Common Python usage

- `re.findall(Regex, str to find it in)`
matches all instances and returns in a list.
- `re.search(Regex, str to find it in)`
matches only the first instance.
- `re.split(Regex)`
extracts specific sections of a string (usually used after `findall`).
- `re.sub(Regex, replace str, original str)`
substitutes part of a string for something else.

Common Regular Expressions

- see [commonRegEx.md](#) in the repo 😊



Regular Expressions Cheat Sheet

- For more: see [cheatRegex.md](https://github.com/cheatRegex/md) in the repo 😊



MAY THE REGEX



BE WITH YOU