

Writeup about my python program

1. Project Overview: What were you trying to accomplish? What was your general approach?

At the beginning I wanted to use Google maps API but after 5 hours trying to make it work I gave up doing this. I couldn't make it work and none of the Ninja knew why so I decided to change to a new project. After that I wanted to use gutenber API but the amount of request per day was way to low so I downloaded text on my computer to finally get something that works. I used Think python and also lot of websites about python o help me.

2. Implementation: How does your code work?

My program contain 2 parts : the first fuction, called “BePolite”, replaces curse words by “peace”, the second , called BeAJerk, replaces kind words by “hate”.
First i'm asking the user which file he/she wants to search/replace, then I ask him/her what function he/she want to use (Bepolite or BeAJerk). The function execute and replace all words it needs. It ended by telling how many lines there are in the file.

What libraries did you use?

None, I only use text from my computer. I did my first program with Gutenberg API but I reached my request amount too quicly so I had to download some files and try directly on my computer.

How would someone (for instance a NINJA) run your code?

He would have to type “python searchwords_v01.py” in the terminal. The program would ask him/her in what file he or she would like to search. Then what function to use.

What data structures (e.g. lists, dictionaries) did you use in your program and why?

I used 2 lists to store all curse words and all kind words i'm looking for. I used the replace function.

3. Include some examples of your program's output.

Function : Bepolite

Input : fuck your mother mother fucker
shit shit shit

you're such an ass man, go fuck yourself.

never think your were such a bitch.

asses shit ass face fuckers

#Sorry for theses rude words, I had to test my program...

Output : peace your mother mother peaceer
peace peace peace
you're such a peace man, go peace yourself.
never think your were such a peace.
peace peace peace peaceers
5

4. Reflection: from a process point of view, what went well?

What could you improve? Was your project appropriately scoped?

Did you have a good plan for unit testing?

My first line of code worked after 6 hours spending on this project (googlemaps API was not really a good subject after all) I finally made my replace program work. I could have count the number of words I replace, I think it would be a good idea to add. My project was definitely not appropriately scoped because I had to radically change his subject but I still think I want to do it before the end of the semester.

I did one : try/except to test if the file really exist in the laptop before running the program but I don't think it is a good plan for unit testing. I think I should have put more in my program.