

UI REPORT

1. make a simple html file as index.html
it has two boxes for entering code and a hidden box for showing result. After clicking on submit button, hidden box will be shown.
2. make a css file as style.css
we use this for making html page beautiful.
3. Make a javascript file as scripts.js
we use it to have a better UI, appear result box after getting input and...
4. Make a python file as server.py
we use as a bridge between our browser-receiving input from it and give them to Main.java- and Main.java-receiving output of similarity checking from it and give it to browser-.

But how do they work?

Open terminal in our project root folder. run 'python server.py'

This file will make a web server for showing html using port 8080 of your computer.

Enter this url in your chrom url input: 'http://localhost:8080/'

after entering 2code and submit, server reads 2code and save them into ./antlr_project/input1.txt and ./antlr_project/input2.txt, by :

```
with open('antlr_project/input1.txt', 'w') as f1:  
    f1.write(codes['code1'])  
    with open('antlr_project/input2.txt', 'w') as f2:  
        f2.write(codes['code2'])
```

then it runs main file which is Main.java and output of java file will be shown on web browser:

```
os.chdir('antlr_project')  
result = subprocess.run(['java', 'Main'],  
                      capture_output=True, text=True, timeout=10)  
os.chdir('..')
```

in our Main.java we have:

```
List<TokenInfo> tokens1 = tokenize("input1.txt");  
List<TokenInfo> tokens2 = tokenize("input2.txt");
```