Coding Standards Checker

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1 AIM: Tool for checking proper coding standards in a given code

2 Tech used:

3 Ideation:

I wanted a personal tool that could help me go through several files at a time and tell me if they follow a given standard that I want in my code.
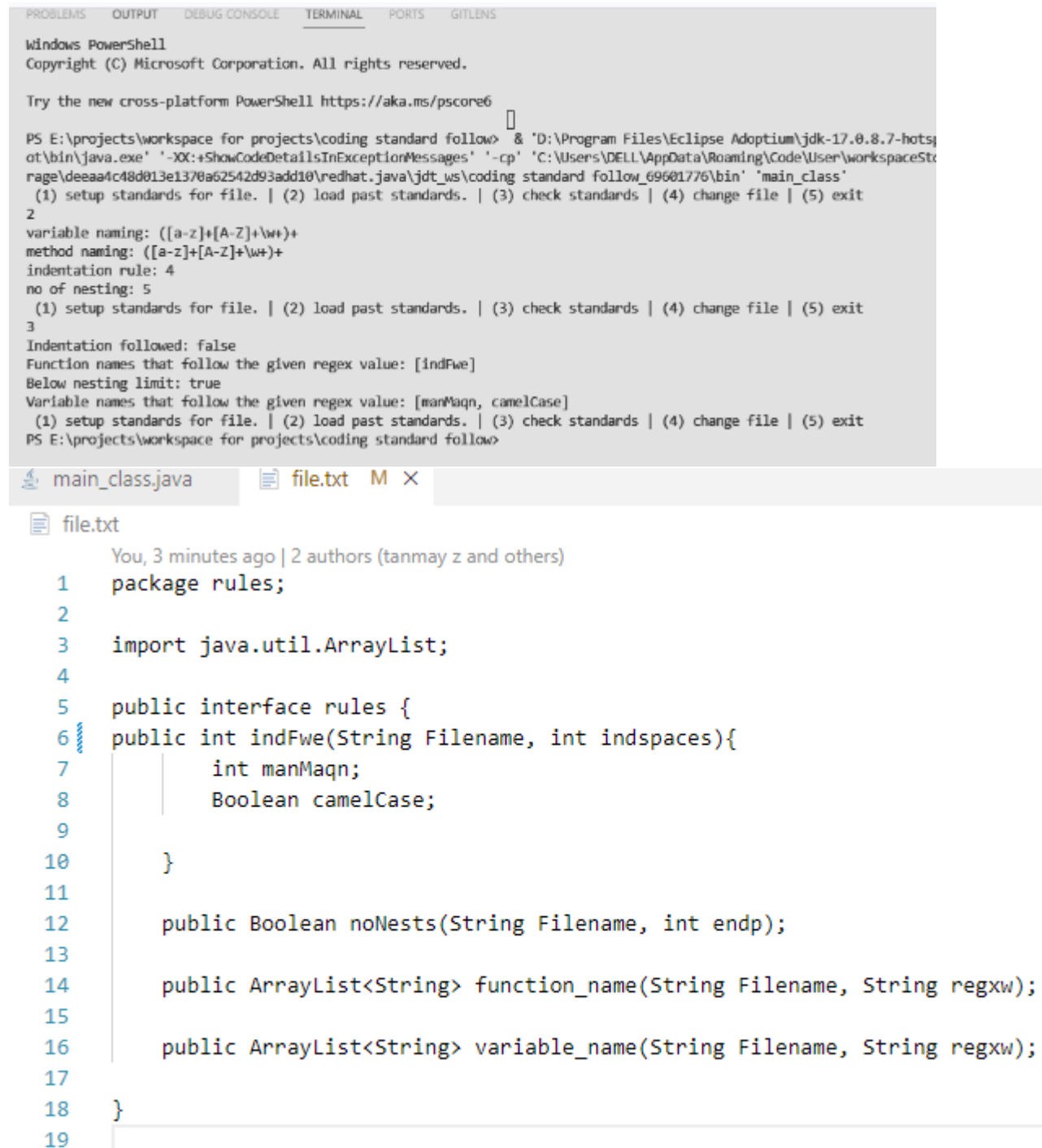
- Java for backend.

4 Solutions provided by this project:

- tool to make the code look more clean
- Customizable coding standards
- Check if the code is readable or not without going through the code
- User Friendly Interface

5 Future of this project:

- GUI can be added.
- More rules can be added.
- Auto updater for rules can be added.
- More user customizations for different programming languages can be added.

6 Output:

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS    GITLENS

Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS E:\projects\workspace for projects\coding standard follow>  & 'D:\Program Files\Eclipse Adoptium\jdk-17.0.8.7-hotsp
ot\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\DELL\AppData\Roaming\Code\User\workspaceSto
rage\deeaa4c48d013e1370a62542d93add10\redhat.java\jdt_ws\coding standard follow_69601776\bin' 'main_class'
 (1) setup standards for file. | (2) load past standards. | (3) check standards | (4) change file | (5) exit
2
variable naming: ([a-z]+[A-Z]+\w+)+
method naming: ([a-z]+[A-Z]+\w+)+
indentation rule: 4
no of nesting: 5
 (1) setup standards for file. | (2) load past standards. | (3) check standards | (4) change file | (5) exit
3
Indentation followed: false
Function names that follow the given regex value: [indFwe]
Below nesting limit: true
Variable names that follow the given regex value: [manMaqn, camelCase]
 (1) setup standards for file. | (2) load past standards. | (3) check standards | (4) change file | (5) exit
PS E:\projects\workspace for projects\coding standard follow>
```

main_class.java   file.txt   M ✕

file.txt

You, 3 minutes ago | 2 authors (tanmay z and others)

```java
1    package rules;
2
3    import java.util.ArrayList;
4
5    public interface rules {
6    public int indFwe(String Filename, int indspaces){
7            int manMaqn;
8            Boolean camelCase;
9
10       }
11
12       public Boolean noNests(String Filename, int endp);
13
14       public ArrayList<String> function_name(String Filename, String regxw);
15
16       public ArrayList<String> variable_name(String Filename, String regxw);
17
18   }
19
```