

I/O

Using `TextFile` and a `Map<Character,Integer>`, create a program that takes the file name as a command line argument and counts the occurrence of all the different characters. Save the results in a text file.

Approach

Reading Input from File:

Utilized the `Scanner` class to open and read content from a file.

The content is read line by line until the end of the file.

The read content is stored in a string for further processing.

Counting Character Occurrences:

Used a `HashMap` where the key represents a character and the value is the count of occurrences of that character.

Iterated over the string content, checking if each character is a letter.

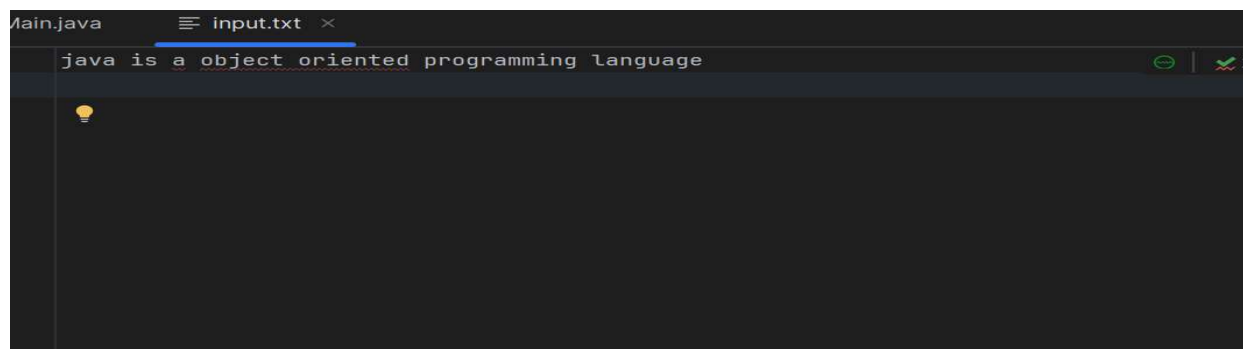
For each letter, updated the count in the `HashMap`.

Writing Output to File:

Used `FileWriter` and `PrintWriter` to write the results to a file.

The character counts are written to the file, and the writer is closed after writing.

Output-

A screenshot of an IDE window titled 'Main.java' with a sub-tab 'input.txt'. The code editor shows the text 'java is a object oriented programming language' on a single line. The text is in a monospaced font, with some characters underlined. There is a yellow lightbulb icon on the left side of the editor, indicating a suggestion or tip. The background is dark, and the text is light gray.

```
un  Main x
|  |  |  |
"C:\Program Files\Java\jdk-18.0.1.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2024.1.4\lib\idea_rt.jar"
java is a object oriented programming language
{a=6, b=1, c=1, d=1, e=4, g=4, i=3, j=2, l=1, m=2, n=3, o=3, p=1, r=3, s=1, t=2, u=1, v=1}

Process finished with exit code 0
```

```
Main.java  input.txt x
1  java is a object oriented programming language
2  {a=6, b=1, c=1, d=1, e=4, g=4, i=3, j=2, l=1, m=2, n=3, o=3, p=1, r=3, s=1, t=2, u=1, v=1}
3
```