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### Program 4 IDE

Unlike previous projects, this project was Java programming, not C++ programming. I was very worried about having to program in a new programming language, but fortunately, it wasn't that difficult because there were many similarities with C++. And Java programming assignment was programmed using software called IntelliJ, not terminal, and there were various functions that helped a lot. First of all, I could see that there is a lightbulb-shaped icon in the upper right corner, but depending on the situation, it was yellow and red. When it comes to a yellow light bulb, the program still works, but it means that there is some advice on making it a better program. For example, if I click the yellow light bulb, this tells me which part is not used or is not needed and recommends erasing it. When the light bulb is red, it means that there is a serious problem with the program and the program is not going to work. Pressing the red light bulb tells me which part is causing the problem, it doesn't give me the perfect answer, but it gives me a hint. Using these features, I was able to fix the problems without needing to use GDB, and because of the nature of Java, memory management was not required, so there were not many problems during programming.