

Preliminary Exercise: Naming Identifiers

You are given an actual exam problem from C# Advanced and a sample solution that is absolutely correct and scores 100/100 at the judge system. Despite its correctness, the code is badly written and hard to understand and maintain. For example, all of the variables are single-letter, and although the code is relatively short, people are easily lost in it.

Task 1: Give Meaningful Names to the Variables

General guidelines:

- Use English! Even if it's a piece of code that you and only you will ever read, just use English. **No excuses.**
- Avoid abbreviations: **dateTimeFormatter** is better than **dtf**, or **dtFormatter**
- Over-engineering is also a very bad idea.

Example:

Looking at the code, we notice the line **var r = Console.ReadLine();** Obviously, it is some sort of input, we cannot understand what exactly it is, what it does, and why it is there. The problem's description states that after the first line of input, we will be given additional commands, each on a new line. We can substitute the line with:

string command = Console.ReadLine();

string[] commandTokens = Console.ReadLine().Split(); is also acceptable, depending on how you decide to structure your code.

Bonus Task:

Some portions of the code are repetitive or unnecessary. Find a way to make the code more concise and elegant.