Text editors solve real-life problems by providing a versatile tool for creating, editing, and managing text in various contexts. Here are some ways they are useful:

1. **Programming and Development:** Text editors are essential for writing and editing code in different programming languages. They often include features like syntax highlighting, code completion, and version control integration, which help developers write and debug code more efficiently.

2. **Writing and Editing:** For authors, journalists, and students, text editors provide a distraction-free environment for writing and editing documents, notes, and articles. Features like spell check, word count, and formatting options enhance productivity.

3. **Data Management:** Text editors are used for editing configuration files, logs, and data files, making it easier to manage and configure software applications and systems.

4. **Collaboration:** Many modern text editors support collaboration features, allowing multiple users to edit a document simultaneously. This is particularly useful in team projects and remote work environments.

5. **Customization and Scripting:** Text editors often allow users to customize their environment with plugins and scripts, enabling tailored workflows and automation of repetitive tasks.