

Converting Lines into Records

This lesson explains the functionality of the LoadRecords function.

`LoadRecords` is a function that takes a filename as an argument, reads the contents into `std::string` and then performs the conversion:

```
[[nodiscard]] std::vector<OrderRecord> LoadRecords(const fs::path& filename)
{
    const auto content = GetFileContents(filename);

    const auto lines = SplitLines(content);

    return LinesToRecords(lines);
}
```



We assume that the files are small enough to fit into RAM, so there's no need to process them in chunks.

The core part is to split that one large string into lines and then convert them into a collection of Records.

If you look into code you can see that `content` is `std::string`, but `lines` is a vector of `std::string_view`. Views are used for optimisation. We guarantee to hold the large string - the file content - while we process chunks of it (views). This should give us better performance, as there's no need to copy string data.

Eventually, characters are converted into `OrderRecord` representation.

We'll look at that in the next lesson.