*This article explores the field of pipeline-oriented scripting languages, focusing on the development and use of a Python-based pipeline language. Pipeline-oriented scripting languages ​​offer an approach that will optimize workflows through interconnections between processes. Benefits include optimized workflow, modularity—which refers to the ease of breaking down a system into interconnected modules, clean and simple syntax, efficient use of resources, and full compatibility. The study outlines the key requirements for building large-scale data pipelines and describes existing solutions that meet them.*

*The article addresses common issues in data science, automation, integration, maintainability, and scalability, and highlights the benefits of Python's pipeline language. The designed tool is used to simplify complex data processing tasks. Design considerations for a Python pipeline language include domain-specific abstractions, support for pipeline composition, declarative syntax, integration with an existing ecosystem. The proposal is to develop a special Python pipeline language to improve data processing and analysis.*

*Titlul lucrării:*

*Pipeline-oriented scripting language for Data processing*

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