



**FACULTY
OF MATHEMATICS
AND PHYSICS**
Charles University

BACHELOR THESIS

Přemysl Šťastný

LSQL language and it's lsq1-csv implementation for csv files

Department of Applied Mathematics

Supervisor of the bachelor thesis: Jan Hubička

Study programme: General Information

Study branch: Informatics

Prague 2021

I declare that I carried out this bachelor thesis independently, and only with the cited sources, literature and other professional sources. It has not been used to obtain another or the same degree.

I understand that my work relates to the rights and obligations under the Act No. 121/2000 Sb., the Copyright Act, as amended, in particular the fact that the Charles University has the right to conclude a license agreement on the use of this work as a school work pursuant to Section 60 subsection 1 of the Copyright Act.

In date
Author's signature

Dedication.

Title: LSQL language and it's lsq-csv implementation for csv files

Author: Přemysl Šťastný

Department: Department of Applied Mathematics

Supervisor: Jan Hubička, Department of Applied Mathematics

Abstract: LSQL is language, which is new database query language optimized for simple onetime queries in command line enviroment. lsq-csv is project implementing LSQL for csv files. The thesis is about reason and design of the language and it's lsq-csv implementation.

Keywords: lsq lsq-csv unix kiss unix-philosophy haskell database csv new-language data-analysis data-query

Contents

Introduction	2
1 Title of the first chapter	3
1.1 Title of the first subchapter of the first chapter	3
1.2 Title of the second subchapter of the first chapter	3
2 Title of the second chapter	4
2.1 Title of the first subchapter of the second chapter	4
2.2 Title of the second subchapter of the second chapter	4
Conclusion	5
Bibliography	6
List of Figures	7
List of Tables	8
List of Abbreviations	9
A Attachments	10
A.1 First Attachment	10

Introduction

1. Title of the first chapter

An example citation: Anděl [2007]

1.1 Title of the first subchapter of the first chapter

1.2 Title of the second subchapter of the first chapter

2. Title of the second chapter

2.1 Title of the first subchapter of the second chapter

2.2 Title of the second subchapter of the second chapter

Conclusion

Bibliography

J. Anděl. *Základy matematické statistiky*. Druhé opravené vydání. Matfyzpress, Praha, 2007. ISBN 80-7378-001-1.

List of Figures

List of Tables

List of Abbreviations

A. Attachments

A.1 First Attachment