

# Introduction to language theory and compiling Project - Part 1

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# Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
<b>2</b>	<b>Bonus</b>	<b>2</b>

# 1. Introduction

## 2. Bonus

Lexing should be done with regular expressions, but nested comments can not be processed by regular expressions, because they don't have a context-free grammar. Why ? I would say because of the pumping lemma.

Two solutions: implement a recursive lexer (very complicated to compile), or use counters (Java can do that because it is Turing-complete).