

TDT4205 - Exercise 2
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Task 1.1:

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Task 1.2

1. *What makes a bottom-up parser more powerful than a top-down parser?*
2. *What kind of parser does GNU Bison generate?*

Bottom-up

3. *Why do we even need a compiler generator? Why not just hand-code the compilers, like other programs?*

Task 1.3

1. *What characterizes a shift-reduce parser? How is parsing done in practice?*
2. *Some grammars may result in conflicts in shift-reduce parsers. Describe the difference between shift-reduce conflicts and reduce-reduce conflicts. Give a small example of both conflicts.*

Task 2:

See attached source code.