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

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

### 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.