

# Deduction Systems

## Practical Session

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We will take a look at the HermiT reasoner and the Protégé ontology editor. Therefore, try to prepare as follows in order to have the tools ready to use.

### Exercise 2.1 (Prerequisites). Download

- the Protégé software from <http://protege.stanford.edu>,
- the latest version of HermiT from <http://hermit-reasoner.com>, and
- the Pizza ontology from our Lecture website:  
[https://iccl.inf.tu-dresden.de/web/Deduction\\_Systems\\_\(SS2018\)](https://iccl.inf.tu-dresden.de/web/Deduction_Systems_(SS2018))

Both tools do not require any installation, just download and unpack them in your favorite location, ideally move the `Pizza.owl` into the same directory as `HermiT`. Use the terminal (or Windows-Shell) and go to the directory containing `HermiT.jar` and check if you can run the HermiT reasoner by typing

```
java -jar HermiT.jar --help
```

You should get a detailed list of available command line options. If so, fine, you can use HermiT right away. If not, most probably it has to do with your Java installation. Make sure the directory where Java is installed is included in the `PATH` environment variable (check via “`echo $PATH`”), or at least one of the directories including the `java` command is listed amongst them (can you run “`java -version`”).