Synopsis

This is a Ruby Gem that converts <u>TV Anytime XML</u> data into RDF data as defined in the <u>BBC Programme Ontology</u>.

It is available online under <u>github.com/slhck/TvaToRdf</u>.

Installation

Prerequisites: You need at least Ruby installed on your system. I'd recommend Ruby 1.9.2, others are untested. For a permanent installation, you need Ruby Gems. If you have it, run

```
gem build TvaToRdf.gemspec
gem install TvaToRdf-<version>.gem
```

where `<version>` is the current version number.

Running without installation is also possible. `cd` to the directory where you downloaded this gem and then run the following for the demo data:

```
ruby -I lib/ bin/TvaToRdf -i data/tva-robitza.xml -o data/output.n3
```

Basic usage

Run the program with

```
TvaToRdf [options]
```

Mandatory options:

- `-i, --input <input-file>`: Load from this file
- `-o, --output <output-file>`: Output to this file

Non-mandatory options:

- `-f, --filmlist <filmlist-file>`: Use this RDF file of films to match against

Common options:

- `-v, --verbose`: Verbose (debug) mode
- `-h, --help`: Show the usage message

Usage for assignment tasks 1 and 3:

For the basic assignment (Task 1), there are two run options. The first one just creates the RDF graph in N3 notation. If you want more detailed output, just append `-v`.

```
TvaToRdf -i data/tva-robitza.xml -o data/output.n3
```

The second one (for Task 3) is a bit slower, because all records have to be matched against the Linked Movie Database. Therefore we use a smaller subset of programs. In the current dataset, there should be one match.

```
TvaToRdf -i data/tva-robitza-short.xml -o data/output-linked.n3 -f data/film.rdf
```

Removal

Just run

```
gem uninstall TvaToRdf
```

if you've installed the Gem before. Otherwise, just delete this folder.