

## Lab 3 – Grammars

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Polygen is a program which generates random text from grammars specified in a form similar to the BNF.

See examples `nipponame.grm` (comments are enclosed in `(*` and `*)`) and `complaints.grm`.

In `polygen.tar.gz`, in the `src` folder, you can find the Polygen binary (`polygen`) already compiled for the architecture of the lab computers (the source is written in the functional language OCaml). If you extract the archive and place the `grm` file in the same folder of the executable you can generate corresponding text calling the program as e.g.

```
./polygen nipponame.grm
```

### Exercises:

Edit the examples in order to add your own variations.

Write a grammar which generates ‘plausible’ names for EEE/EIE courses e.g.:

```
EE2-15 Introduction to Electronic Fields  
EE3-44 Embedded Power Technology  
etc.
```

What else could be formulated using this kind of grammars? Identify a possible domain and write the corresponding grammar.