

## Advanced Programming in Perl (code: PERL-ADV)

### Overview

This training covers all the crucial Perl skills - from the very basics, like creating console applications via ncurses and windowed application, up to the more advanced topics of object-oriented programming, managing large applications, debugging and profiling.

The list of topics discussed during the training resembles the standard 2-day training Programming in Perl; however, during this training the topics are covered in more detail, due to the possibilities afforded by the longer training time.

### Ask for details

Phone +44 203 608 6289

info@alx.academy

### Duration

3 days

### Agenda

1. Your first Perl program: Hello World.
  - How to write Perl programs.
  - Running programs on Linux and Windows.
2. Windows installer for Perl programs.
3. Basic language syntax. Control statements.
4. Arrays, hashes. Context. Special variables.
5. Read from stdin, word processing, regular expressions, the flip-flop operator.
6. Functions, modules, references.
7. Object-oriented programming.
8. Debugging.
9. Profiling programs in Perl - finding bottlenecks and improving speed.
10. Communicating with the outside world. Running other programs, reading files, sending signals, getting arguments.
11. Generating reports.
12. How to read documentation and use help.
13. Using CPAN modules.
14. Using object libraries.
15. Creating a simple console applications using the ncurses library.
16. PerlQt - creating GUI programs.

### Target audience and prerequisites

We assume that participants know at least one object-oriented programming language and know the concepts of class, object, method and inheritance.

### Certificates

Course participants receive completion certificates signed by ALX.

### Locations

- Warsaw (English) – Jasna 14/16A
- Online (English) – your home, office or wherever you want
- any other location (London, UK, EU) on request

### Price

990 EUR

The price includes:

- course materials,
- snacks, coffee, tea and soft drinks,
- course completion certificate,
- one-time consultation with the instructor after course completion.

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