

## Advanced shell programming, Bash, AWK (code: LX-BASH-ADV)

### Overview

Mastering shell script programming - complex, interactive, user-friendly, robust and secure scripts for helping with common administrative tasks and other applications. Discussed topics include: interactive scripts, pseudo-GUI libraries, data structures, portability.

### Ask for details

Phone +44 203 608 6289

info@alx.training

### Duration

1 day

### Agenda

1. Advanced AWK programming
2. Advanced Bash configuration
3. Complex scripts
4. Command line arguments processing (getopts).
5. Variables and custom data structures
6. Bash programs as CGI scripts
7. Interactive scripts using ncurses-based tools
8. Differences between Bash and other shells (POSIX conformance)
9. Creating portable scripts

### Target audience and prerequisites

This course targets Unix system administrators who want to develop their Bash programming skills further.

Participants are expected to be familiar with shell commands, filters (essentials from the textutils package), regular expression basics, sed, process management basics and making simple Bash scripts.

### 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

390 EUR

The price includes:

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