

## Bash shell programming (code: LX-BASH)

### Overview

A hands-on course that presents the Bash shell as a programming tool, from language syntax to practical script programming. Example applications in administrative tasks automation are discussed. During the course participants create real-world scripts (for user management, filtering system logs, making backups etc.).

### Ask for details

Phone +44 203 608 6289

info@alx.training

### Duration

1 day

### Agenda

1. How to use the command line efficiently, useful keyboard shortcuts
2. Streams and redirections
3. Filters and their typical applications (head, tail, wc, tr)
4. Regular expressions
  - introduction
  - syntax
5. grep
6. Shell scripts
  - variables and parameters
  - working with variables, substitutions and expansions
  - conditions and loops
  - functions and parameter passing
7. Archives (zip, gzip, bzip2)
8. Talking to the user - interactive scripts
9. Talking to the network with the nc (netcat) command
10. Signals, trapping and handling

### Target audience and prerequisites

This course targets Linux system and network administrators.

Participants are expected to know system administration basics and know how to use a text editor (preferably vim).

### 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

380 EUR

The price includes:

- course materials,
- snacks, coffee, tea and soft drinks,

- course completion certificate,
- one-time consultation with the instructor after course completion.

**Ask for details**

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