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.).

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
Phone +44 203 608 6289
info@alx.academy