LESSON 1

report.awk

```
$ awk '{ print $1 }'
  scores.txt
Mariam
Ahmad
```

AWK

Welcome to AWK

Learn it all @MyWebUniversity



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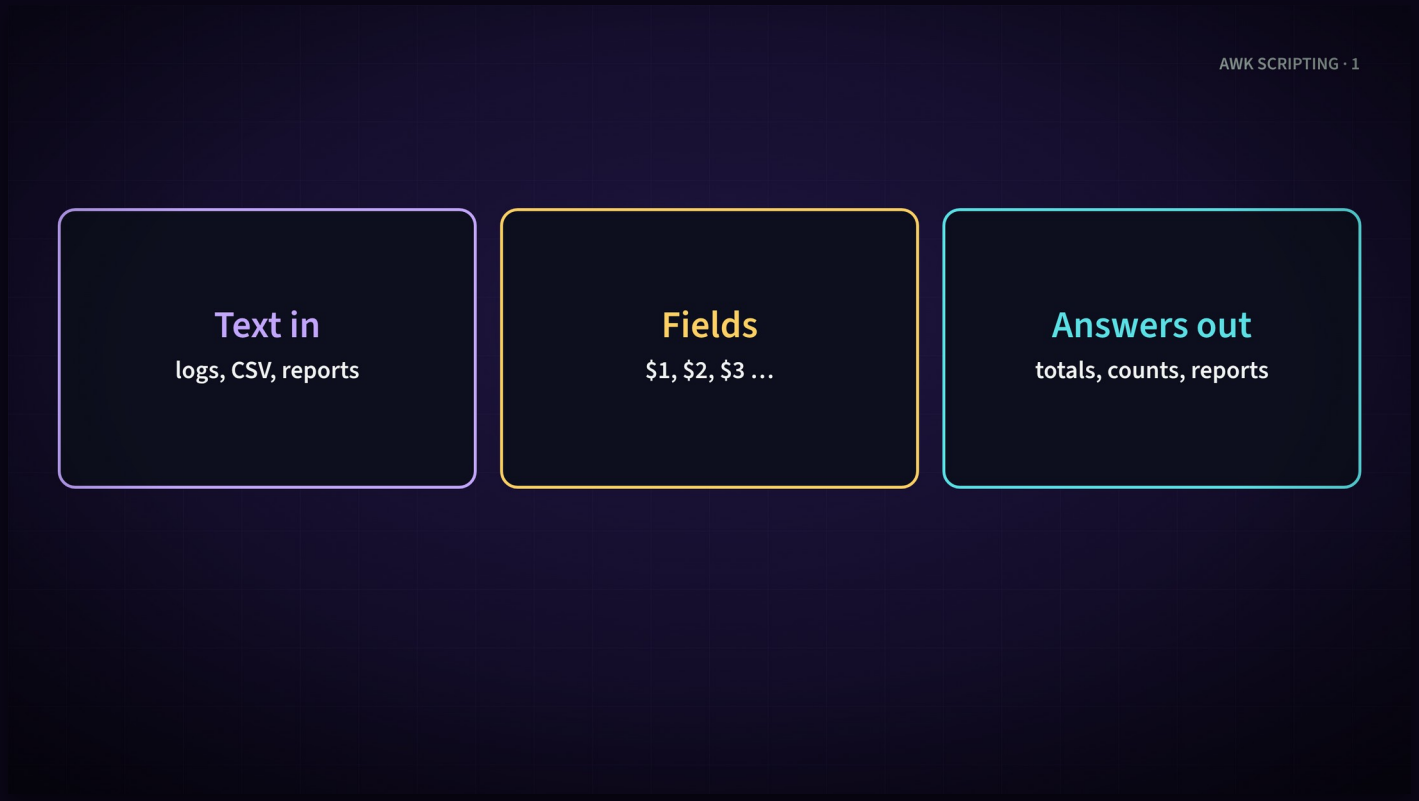
AWK SCRIPTING

LESSON 1

Welcome to AWK

What AWK is, pattern and action, and your first one-liners

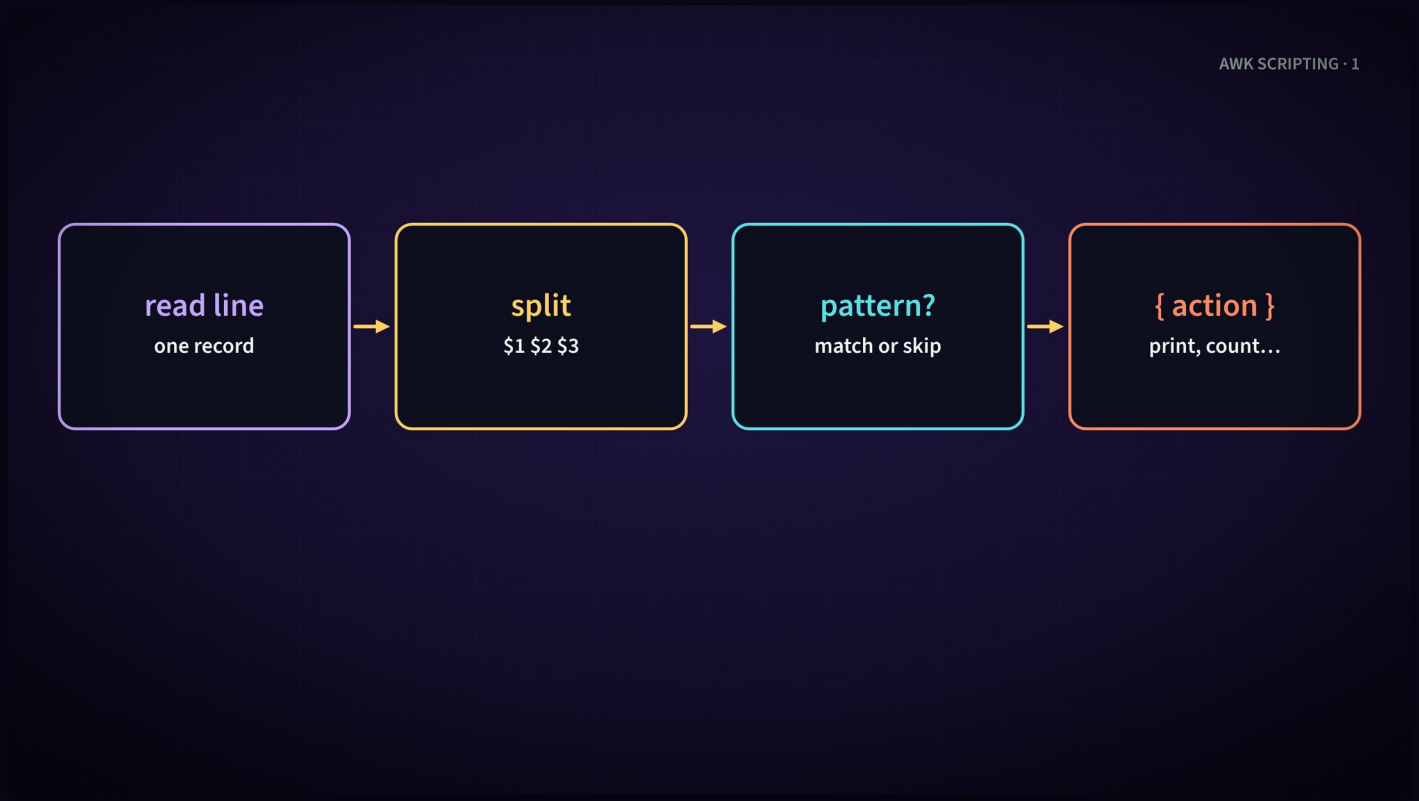
What Is AWK?



- Text in — logs, CSV, reports
- Fields — $1, $2, $3 …
- Answers out — totals, counts, reports

01

Pattern { Action }



- read line — one record
- split — $1 $2 $3
- pattern? — match or skip

02

Your First One-Liners

terminal

```
$ cat scores.txt
Mariam 95 Kabul
Ahmad 88 Herat
Zahra 72 Mazar

$ awk '{ print $1 }' scores.txt
Mariam
Ahmad
Zahra

$ awk '$2 > 80' scores.txt
Mariam 95 Kabul
Ahmad 88 Herat
```

- The simplest program prints everything: awk, then print in braces, then the file name. …
- A pattern alone works too: awk slash error slash prints only the lines that contain the …

03

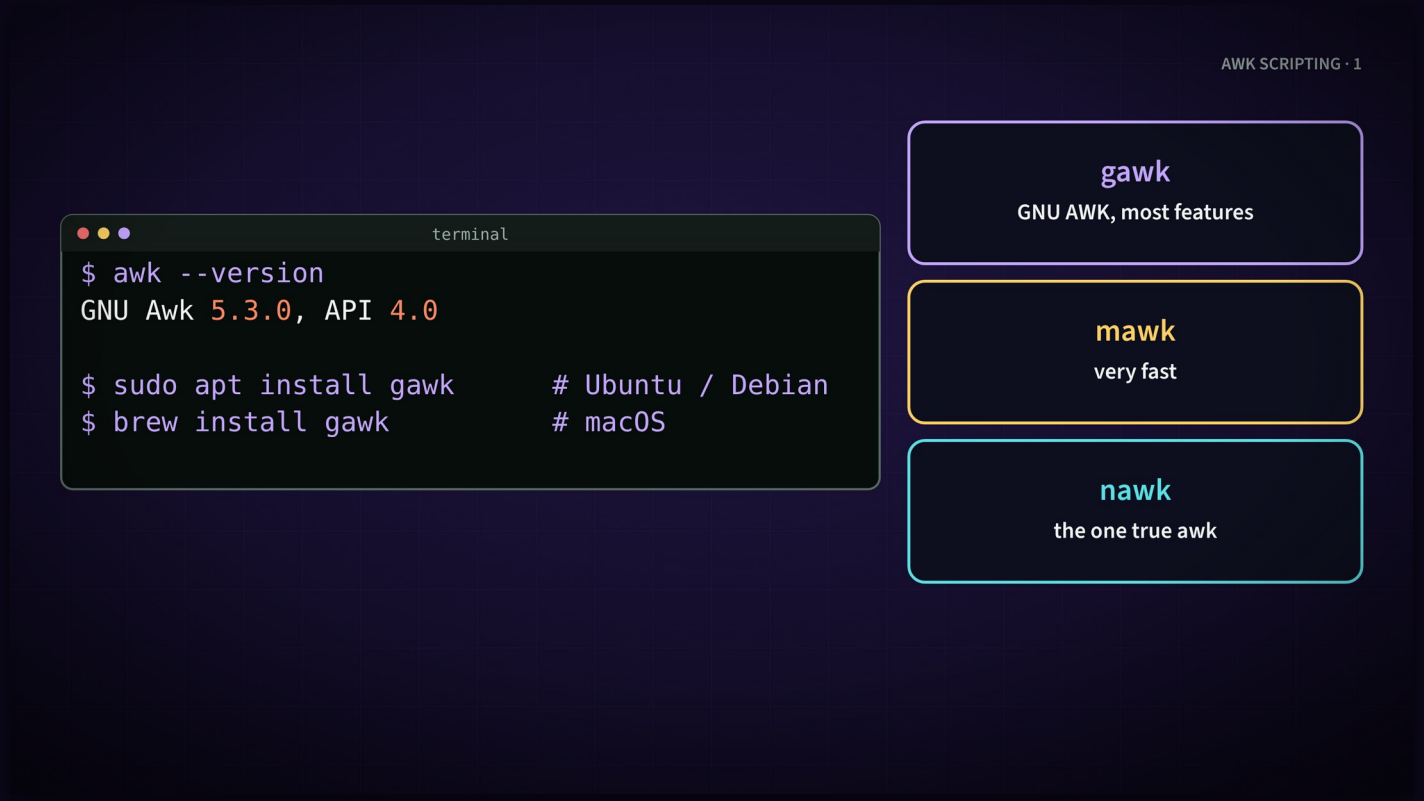
Where AWK Shines



- System administrators use AWK to read logs, data people use it to clean CSV files, and …
- A task that needs twenty lines in another language is often one line of AWK. That is why it …

04

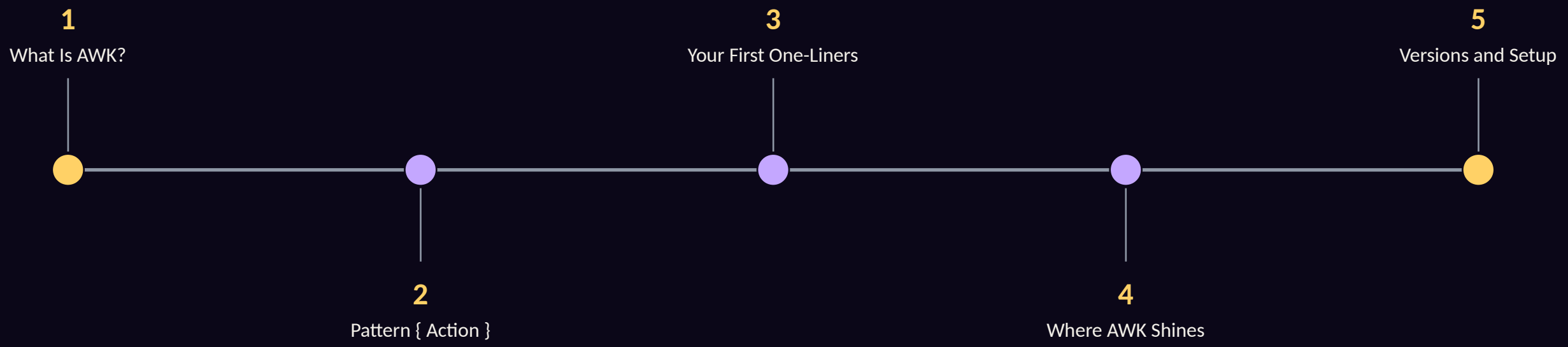
Versions and Setup



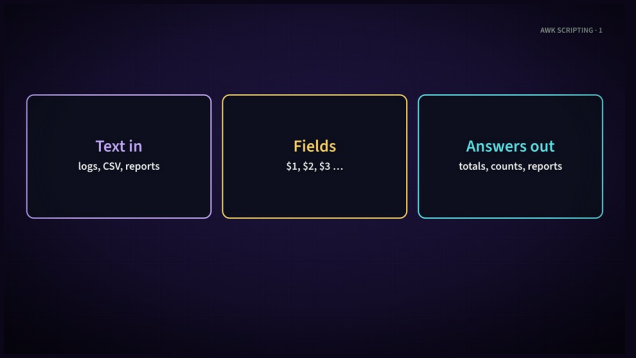
- gawk — GNU AWK, most features
- mawk — very fast
- nawk — the one true awk

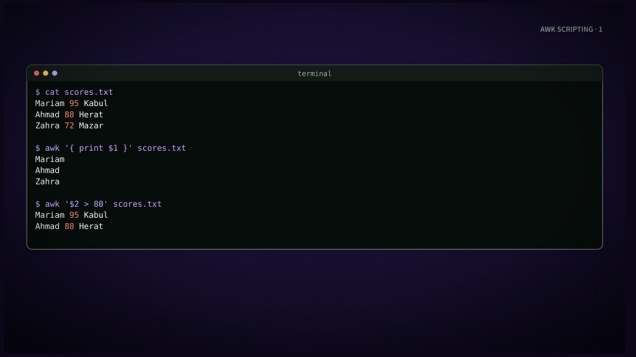
05

Lesson Map


1
What Is AWK?
2
Pattern { Action }
3
Your First One-Liners
4
Where AWK Shines
5
Versions and Setup

Sources and Further Reading





Thank you for watching

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