

Présentation

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L2 Outils du développeur — S3

Outils du développeur

1. Programmation shell avec **bash**
2. Expressions régulières avec **grep**
3. Gestion de version avec **git**

Objectif. Maîtriser les outils pour automatiser la gestion du développement. Utilisation avancée des outils système sous UNIX. Pratiquer efficacement la ligne de commande sous **Linux**.

Pourquoi ?

Most popular technologies

This year, we're comparing the popular technologies across three different groups: All respondents, Professional Developers, and those that are learning to code.

Programming, scripting, and markup languages

2023 continues JavaScript's streak as its eleventh year in a row as the most commonly-used programming language. Python has overtaken SQL as the third most commonly-used language, but placing first for those who are not professional developers or learning to code (Other Coders).

A few technologies moved up a spot this year (Bash/Shell, C, Ruby, Perl, and Erlang) with two moving up two spots (Elixir and Lisp). The big mover, gaining seven spots since 2022 was Lua, an embeddable scripting language.

Professional developers top three technologies are the same as last year—JavaScript, HTML/CSS, and SQL.

But it's a different picture for those learning to code. HTML/CSS and JavaScript are almost tied as the most popular languages for people learning to code. Student developers use Python more than SQL (59% vs. 37%), while professional developers report using SQL more than Python (52% vs 45%).

Compared to Professional Developers, those learning to code are more likely to report using Java (37% vs 31%), C++ (32% vs 20%), and C (32% vs 17%).

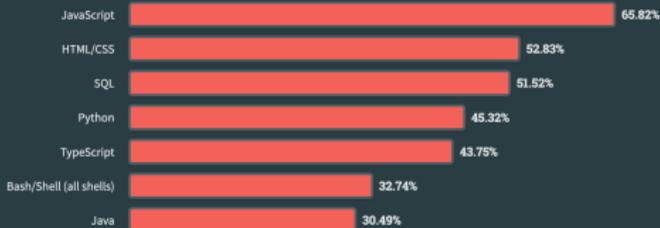
All Respondents

Professional Developers

Learning to Code

Other Coders

67,053 responses



Pourquoi ?

- compétences recherchées (cf. stackoverflow surveys, eg., 2023)
- facilite l'interaction entre programme, l'automatisation de tâches répétitives, etc.
- nécessaire pour certaines application (e.g., cloud),
- moins gourmand en ressources,
- le clavier est souvent plus efficace que la souris...

Intervenants

- (PM) Patrick Marcel : CM et TP (TPB)
- (BD) Bich Dao : TP (TPA/C/F)
- (SE) Sofiane Elguendouze : TP (TPD)
- (WB) Wadoud Bousdira : TP (TPE)

Organisation

Cours	mardi 12/9	13h30-15h30	Amphi H
Cours	mardi	14h30-15h30	Amphi 1
TPC	mercredi	13h30-15h00	ES2
TPB/E/F	vendredi	10h15-12h15	ES4/1/E17
TPA/D	vendredi	8h00-10h00	ES4/2

Web : [sur Celene \(cours 2080\)](#)

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Évaluation

$$\text{Note} = (\text{CC} + \text{CT}) / 2$$

Deux épreuves de 1,5h **sur table** :

- à mi-semestre (7/11) sur la programmation shell ;
- en fin de semestre sur l'ensemble.

Document autorisé : feuille A4 manuscrite R/V

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- Ali Ed-Dbali, responsable précédent du cours
- Mohammed Taghelit, responsable des cours OS et Unix (Université de Tours)