

Java Programming

Motivation for self learning

SAEC – Alumni Technical Convention 2023



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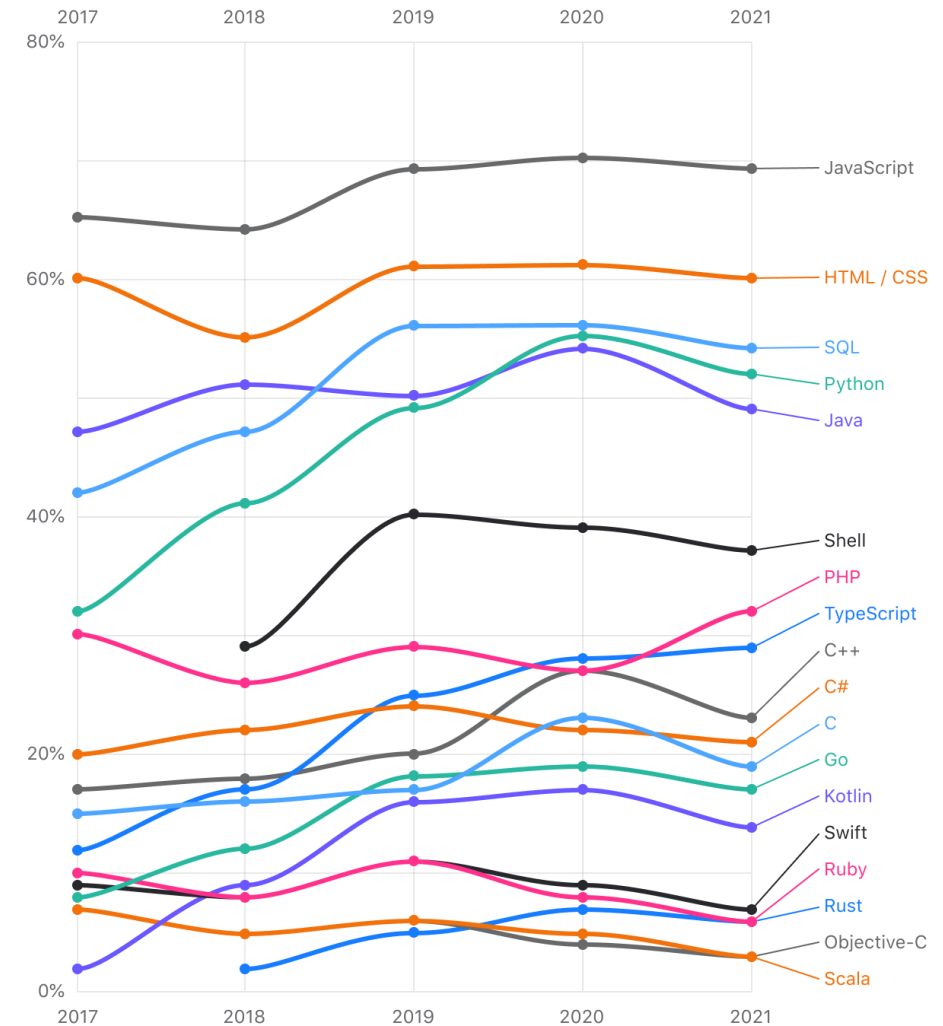
“Little by little, a little
becomes a lot.”

Agenda

- Why?
- How?
- What?
- What's Next?
- Q&A

Why

- 5th most commonly used programming language – Stack Overflow
- 3rd most in-demand skill in hiring - Hacker Rank
- Java is more popular than Python as a main language.
- Fresher salary range from 3L – 4L per year with 12Cr as highest in TESCO Bangalore



Source: <https://www.jetbrains.com/lp/devecosystem-2021/>

Why... & Where

- Web Server Development
 - Spring, Spring Boot, Tomcat
- Android application
- Big data
 - Hadoop, Kafka
- Devops
- Desktop applications

How

- First 20 hours, How to learn anything
 - Deconstruct the skill
 - Learn enough to self correct
 - Remove barriers to practice
 - Practice for at least 20 hours

<https://www.youtube.com/watch?v=5MgBikgcWnY>

What

- Language Basics

- Data Types
- Variables
- Operators
- Read & Write Input / Output
- Conditional Statements
- Loops

<https://gist.github.com/VallarasuS/6b9f3a0f02d0de0238802973f892723e>

- Practice Problems

<https://leetcode.com/explore/>

What's Next?

- Get access to lab machine / laptop
- Pair in two or team up
- Install an IDE IntelliJ IDEA or VS Code Java Pack
- Create and Run Hello world!
- Create a learning plan

References

- Roadmap
 - <https://roadmap.sh/java>
- Video tutorial
 - <https://www.youtube.com/watch?v=grEKMHGyyns>
- IntelliJ IDEA – Community Edition
 - <https://www.jetbrains.com/idea/download/>
 - <https://www.jetbrains.com/help/idea/installation-guide.html>
- Alternate – VS Code – Coding pack for Java
 - <https://code.visualstudio.com/docs/java/java-tutorial>
- <https://insights.stackoverflow.com/survey/2021>
- <https://info.hackerrank.com/rs/487-WAY-049/images/HackerRank-2020-Developer-Skills-Report.pdf>