

Java Developer - introduction Java from scratch





Let's meet! 😂







Icebreaker

It's time for fun:)



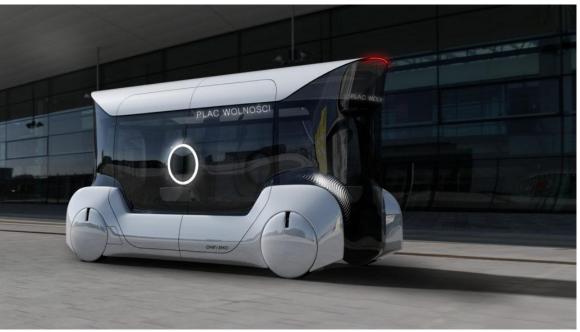
Icebreaker - rules

- each student chooses an item within the room they are sitting in it can be unusual!
- each of the participants has to introduce himself and describe the item, without using its name. He must describe it in 3 sentences.
- the group's task is to guess what is the item the more unusual, the more difficult:)
- you can ask a maximum of 3 questions about the item
- the trainer keeps a score of who will guess the most items
- in the end, the trainer presents a score of who has guessed the most items
- if no one guesses the item after three questions, the point goes to the owner of the item:)



How programming changes the world?

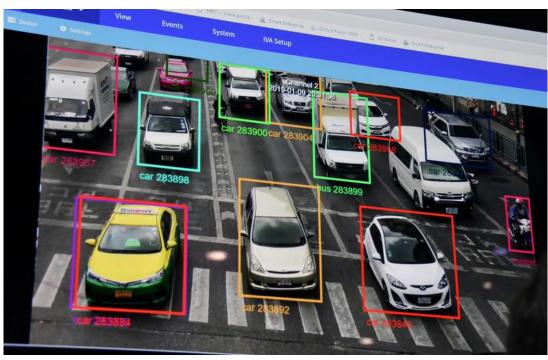






How programming changes the world?







Successes of Polish programmers

- According to the latest HackerRank (assessing the quality of IT specialists), which was attended by 300 thousand. programmers from all over the world, Poles took third place
- In writing algorithms, Polish programmers came second, right behind the Russians
- over 80 percent companies from the IT industry reaches 20% year-on-year increase in revenues, and every tenth increases at least twice
- Every year, a lot of new companies are created in this industry that serve markets around the world



Successes of Polish programmers



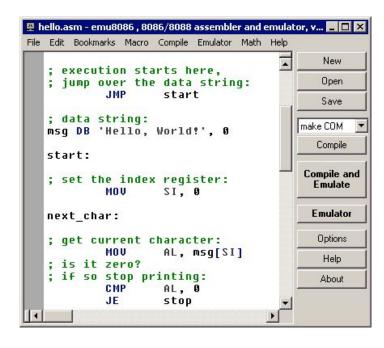






Programming in the past





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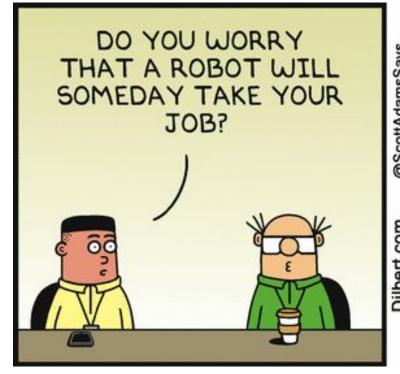


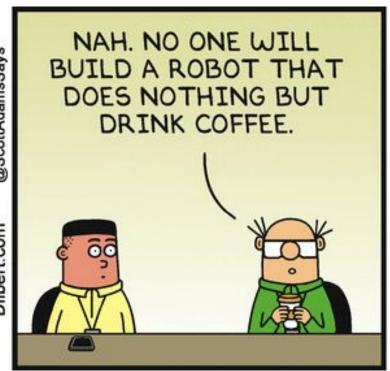
Programming today

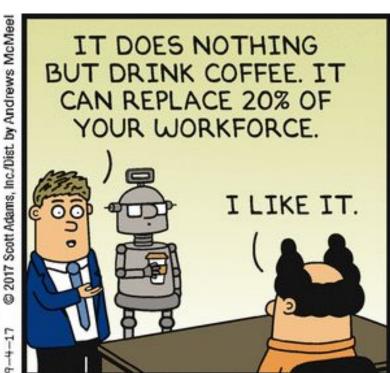
- Contemporary high-level programming languages
- Increasing abstraction and facilities in programming
- Ready tools, do they displace the programmer's work or support him?
- Keeping up-to-date has never been as important as it is today
- What about this artificial intelligence? Will all things be IoT and all data in the cloud



Programming today







Front - end vs Back - end?





Variety of programming languages:

- How many are there and why do we want to talk to the computer using so many languages?
- Are they all important and as a programmer I need to know them all?
- How are different technologies different – is each one suitable for everything?







- Java is one of the 3 most popular languages in the world today, but it is also one of the two most widely used languages (next to the C language)
- The popularity of languages throughout history
- TIOBE Index

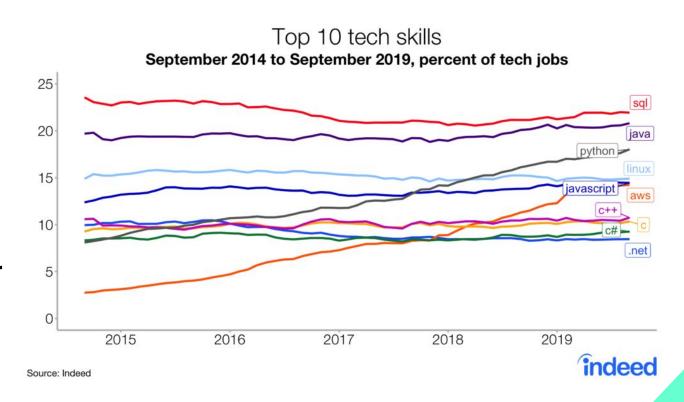




Java is the top rated programming language to start with!

The most important strengths of Java are the community and the career opportunities it offers.

Best Programming Language For Me?





- Java is the natural choice for the biggest companies in the world!
- The largest ones set standards for smaller ones, which is why Java has become the language of many industries (financial, insurance, automotive and many others).

 This language is used by large corporations as well as small companies.







- Netflix made its success thanks to Java!
- Netflix makes a lot of its solutions available on an Open Source basis. Most of them were created using Java.
- https://github.com/Netflix



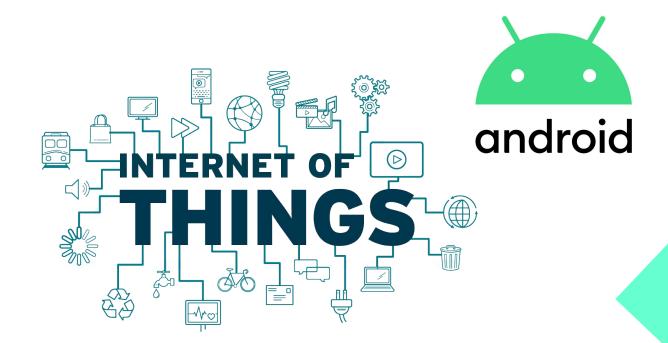




Java offers extremely wide possibilities

Java is over 25 years old, so it has managed to conquer many areas of IT, including:

- cloud computing,
- Internet of Things,
- web programming,
- network programming,
- mobile programming





Is Java enough?

Fortunately not 😌

Testing

Frameworks

and

Java libraries (Spring, JEE)

Databases

HTTP

Front-end

GiT

Scrum

English

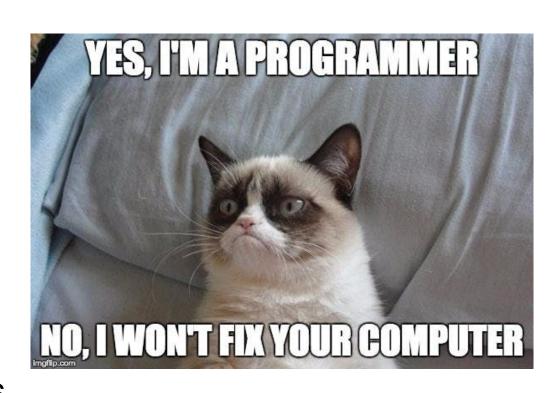
Jira





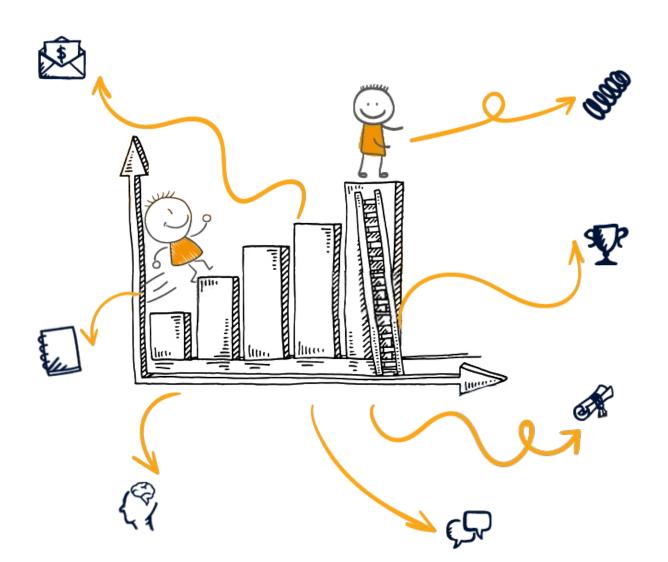
7 reasons to become a developer?

- Opportunity to develop
- Interesting projects
- Good wages and job stability
- Additional perks from employers
- The IT industry is immune to the epidemic
- Possibility of remote work
- Working in IT knows no boundaries





My career path





What does it mean to be a good programmer?

- He likes what he does
- He wants to get better and better, but he is not afraid to ask for help
- He tries to find the simplest and most efficient solutions
- He doesn't reinvent the wheel
- He doesn't get lost in its own code
- He tries to think outside the box and look for new solutions
- He is patient and can accept criticism
- · He wants and is able to communicate with others

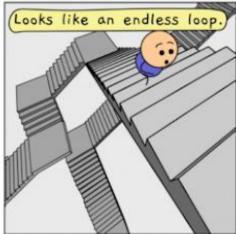


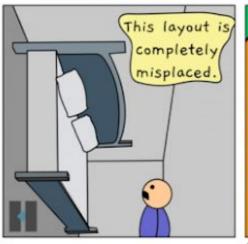
A day in the life of a programmer

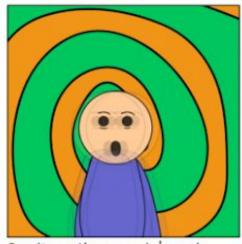
Is every day a struggle?

- with machines
- with people
- with yourself
- + coding









Reading other people's code be like ...





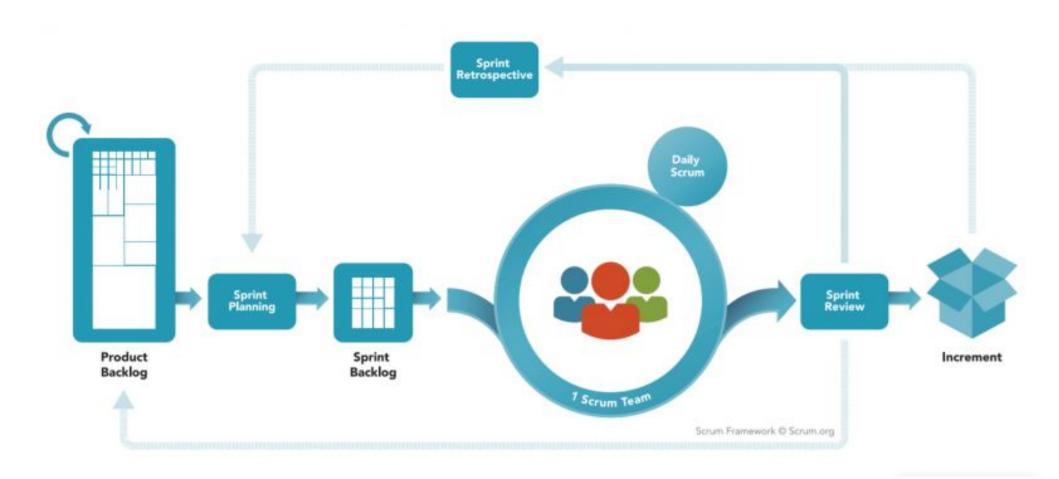


How information systems are currently built and the results of this is?



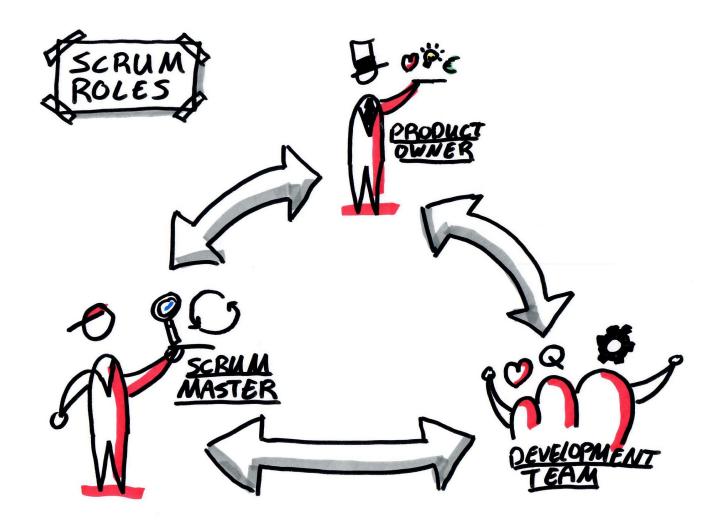


How are the projects run?





Who is taking part in this?





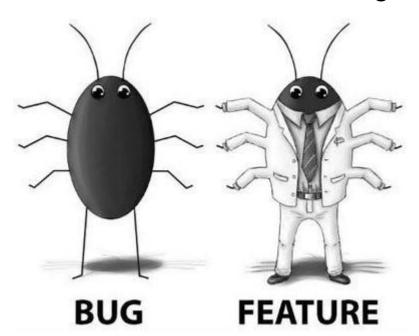
How do we organize our work?

Examples of software

- Jira <u>Look how it works</u>
- Trello
- Asana
- Redmine
- Bugzilla
- •

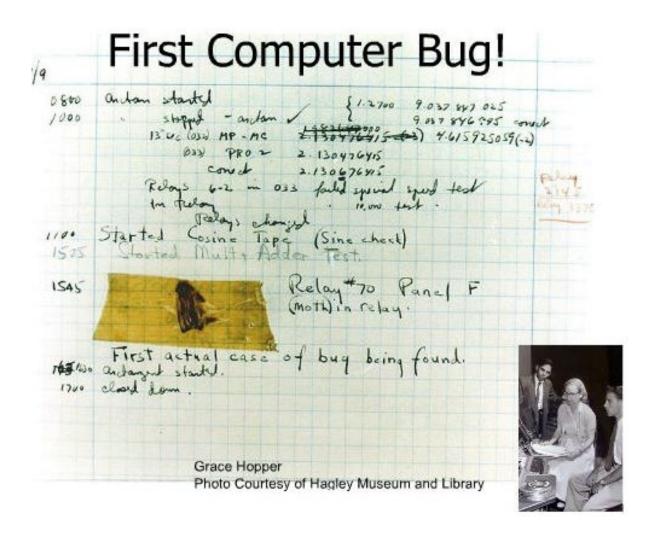
Type of tasks:

- New Feature
- Enhancement
- Bug



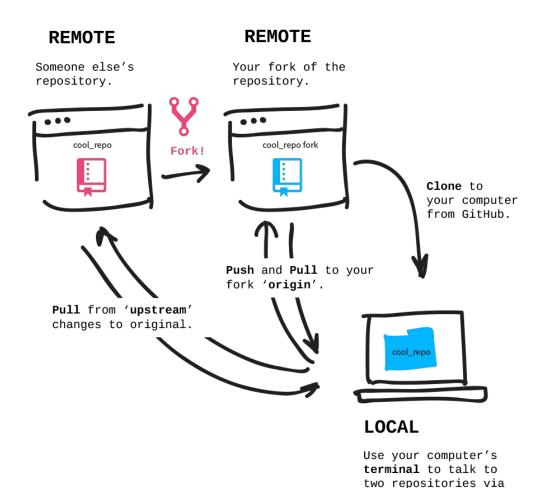


Where does this bug come from?





In the beginning there was chaos ... and then "Git"



two remotes to the GitHub servers.

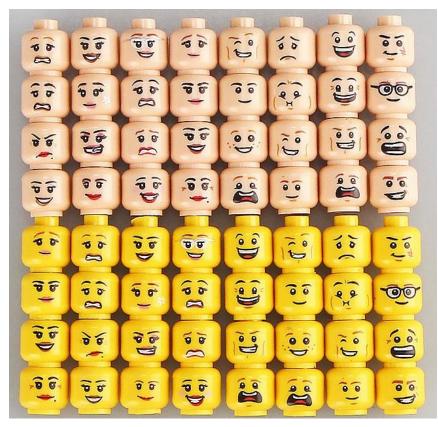


You are not alone in this programming 🤤



It's worth checking and getting to know other programmers at:

- **Stack overflow**
- **Baeldung**
- Code project
- **Bytes**
- **Tutorials Point**





What else is worth doing?

code

code

code

code

code

code

code

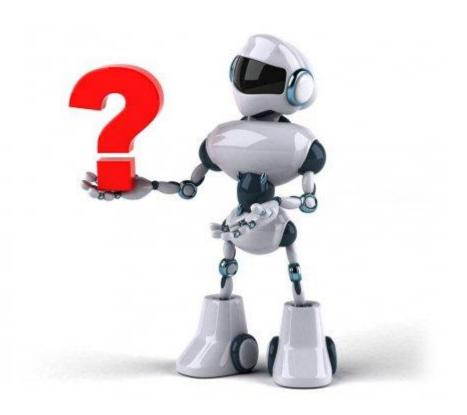
and code again







What would I say to myself when starting learning programming?





Coding in groups

- 1. Split into groups <u>(team</u> <u>generator)</u>
- 2. Give your groups a name and set up channels in slack
- 3. Work on homework together





So let's get to it!





Q&A

for example.....

If Apple made a car...

would it have Windows!?





Good luck with your training! Java from scratch



