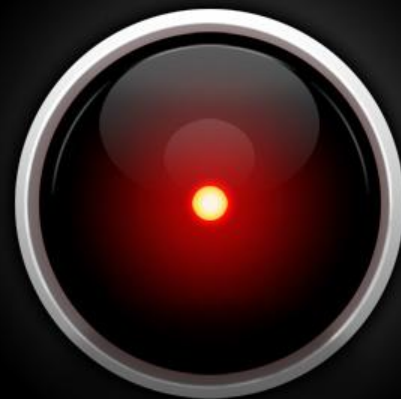




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# Um pouco da história

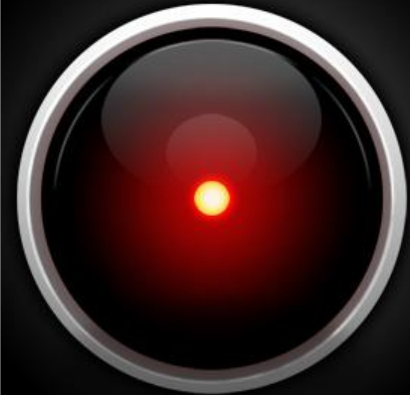
Java cujo nome inicial era OAK foi desenvolvido por um time de engenheiros da Sun sob a liderança de James Gosling no início da década de 90.

A ideia era criar um dispositivo que pudesse interagir com os computadores e eletrodomésticos.

Um mascote foi criado para ser o assistente de uso deste aparelho, o “Duke”.



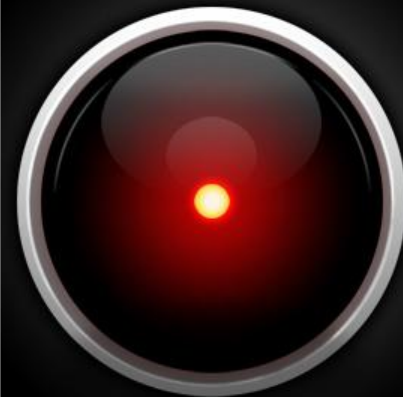
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Por estar muito a frente da época este projeto não foi adiante, mas a internet estava crescendo e precisava de uma linguagem voltada a aplicações. O OAK já estava pronto e poderia ser adaptado a WEB. Devido a questões autorais, teve seu nome alterado para Java, escolhido numa cafeteria em homenagem a um café importado da ilha de Java. Em 1995 é lançada a primeira versão do Java. No mesmo ano a Netscape implementa o suporte a linguagem no seu navegador.

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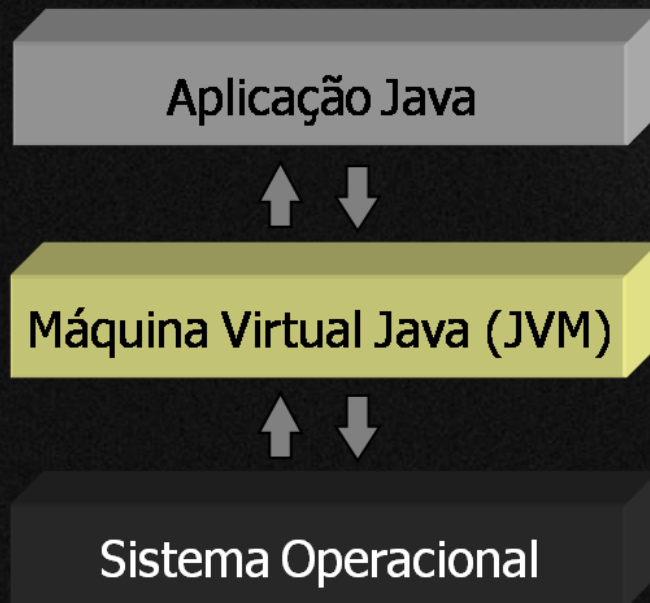


# Características

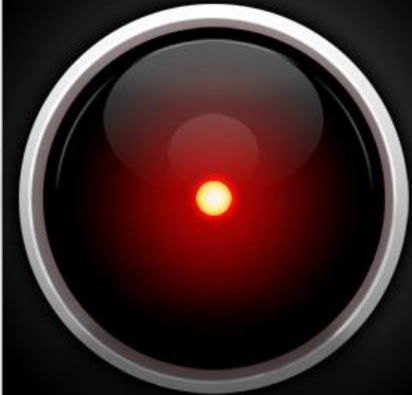
Uma das principais características da linguagem Java é a portabilidade (independência da plataforma).

“Escreva uma vez, rode em qualquer lugar”

Devido a esta característica, o Java trabalha junto a máquina virtual, também conhecida como JVM.

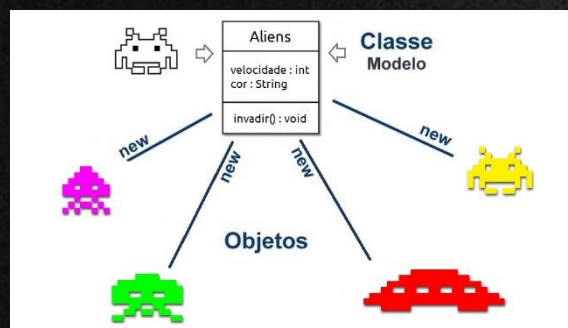
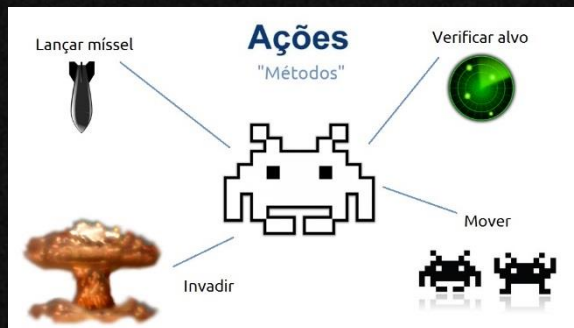
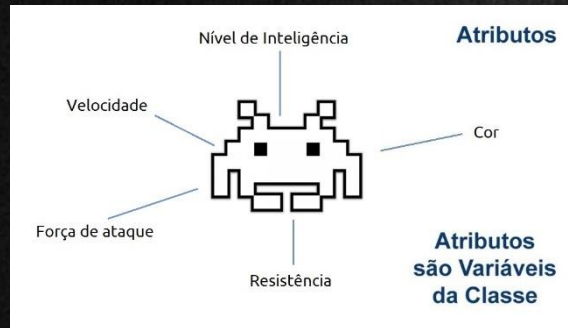
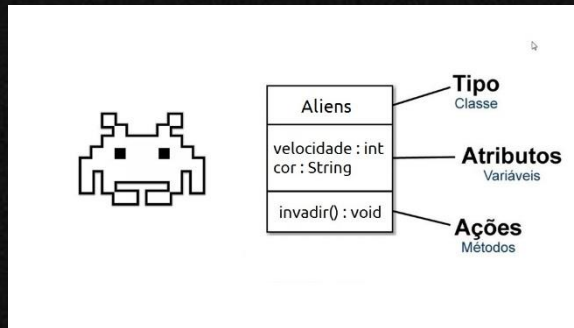


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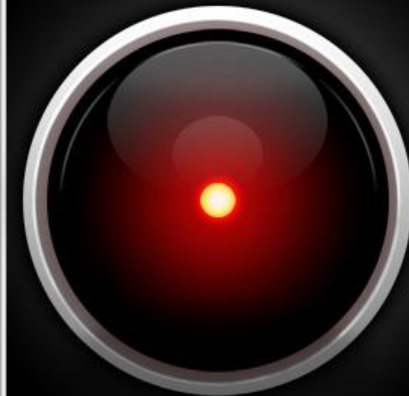




- Free (A liberação completa do código fonte sob os termos da GPL ocorreu em maio de 2007)
- Sintaxe parecida com C / C++
- Robusta e segura
- Orientada a objetos



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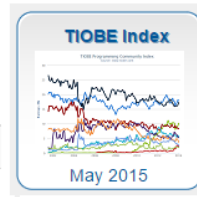


# Porque aprender Java ?

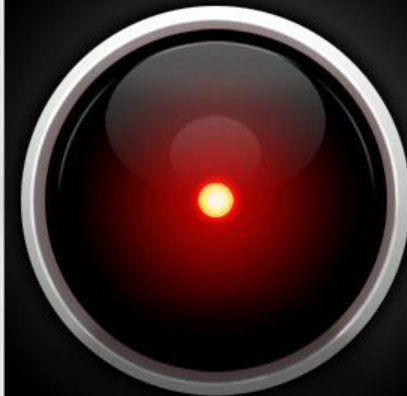


## TIOBE Index for May 2015

May 2015	May 2014	Change	Programming Language	Ratings	Change
1	2	▲	Java	16.869%	-0.04%
2	1	▼	C	16.847%	-0.08%
3	4	▲	C++	7.875%	+1.89%
4	3	▼	Objective-C	5.393%	-6.40%
5	6	▲	C#	5.264%	+1.52%
6	8	▲	Python	3.725%	+0.67%
7	9	▲	JavaScript	3.127%	+1.34%
8	11	▲	Visual Basic .NET	2.968%	+1.70%
9	7	▼	PHP	2.720%	-0.67%
10	-	▲	Visual Basic	1.893%	+1.89%

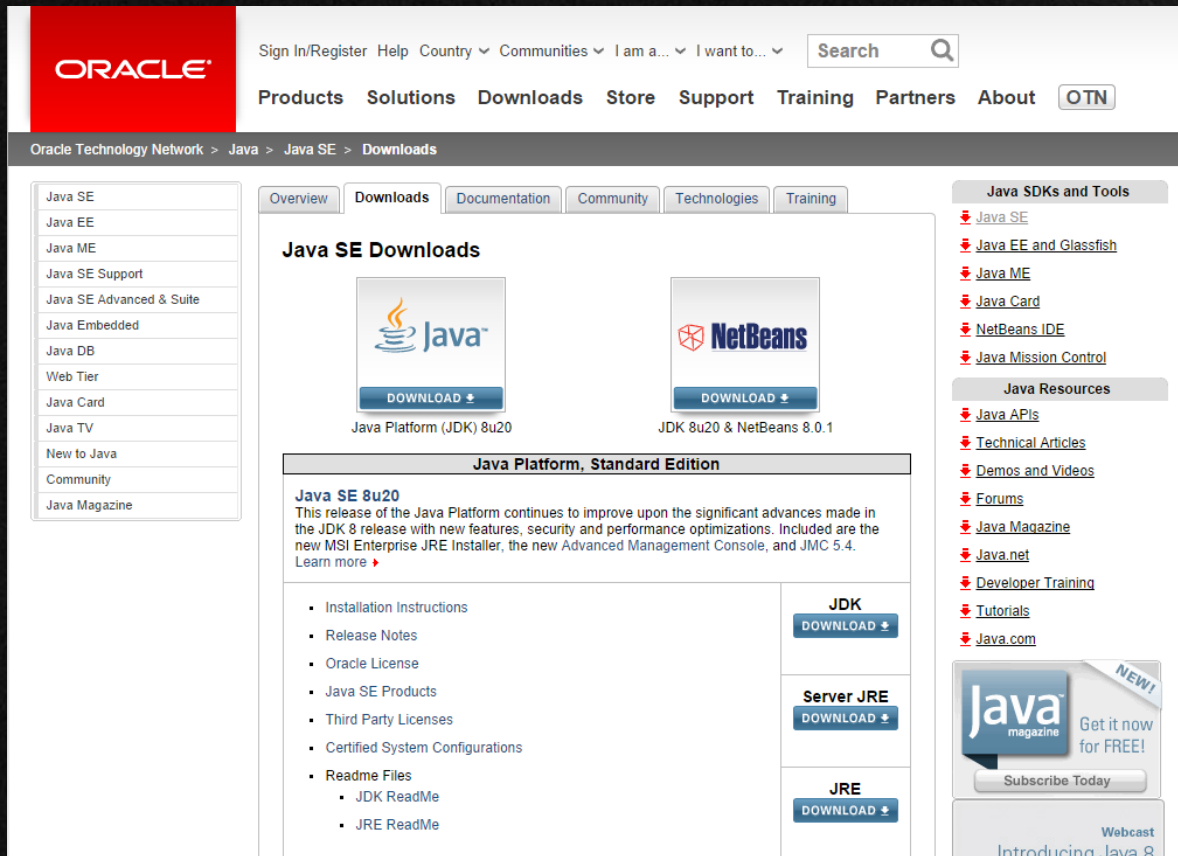


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# Por onde começar ?

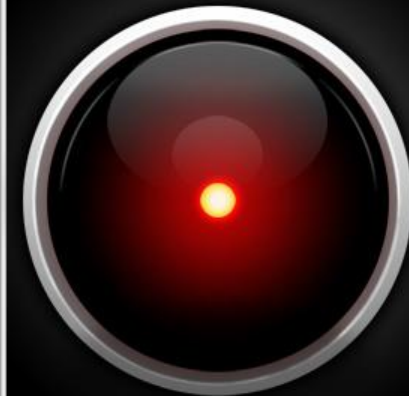
<http://www.oracle.com/technetwork/java/index.html>



The screenshot shows the Oracle Java SE Downloads page. The Oracle logo is in the top left. Navigation links include Sign In/Register, Help, Country, Communities, I am a..., I want to..., and a Search bar. A secondary navigation bar lists Products, Solutions, Downloads, Store, Support, Training, Partners, and About, with an OTN button. The breadcrumb trail reads: Oracle Technology Network > Java > Java SE > Downloads. A left sidebar contains a list of links: Java SE, Java EE, Java ME, Java SE Support, Java SE Advanced & Suite, Java Embedded, Java DB, Web Tier, Java Card, Java TV, New to Java, Community, and Java Magazine. The main content area has tabs for Overview, Downloads, Documentation, Community, Technologies, and Training. The 'Downloads' tab is active, showing 'Java SE Downloads'. It features two download buttons: 'DOWNLOAD' for Java Platform (JDK) 8u20 and 'DOWNLOAD' for JDK 8u20 & NetBeans 8.0.1. Below these is a section for 'Java Platform, Standard Edition' with a description of the Java SE 8u20 release and a list of links: Installation Instructions, Release Notes, Oracle License, Java SE Products, Third Party Licenses, Certified System Configurations, Readme Files (JDK ReadMe, JRE ReadMe). To the right of this list are three download buttons: 'JDK DOWNLOAD', 'Server JRE DOWNLOAD', and 'JRE DOWNLOAD'. A right sidebar lists 'Java SDKs and Tools' (Java SE, Java EE and Glassfish, Java ME, Java Card, NetBeans IDE, Java Mission Control) and 'Java Resources' (Java APIs, Technical Articles, Demos and Videos, Forums, Java Magazine, Java.net, Developer Training, Tutorials, Java.com). At the bottom right is a 'Java magazine' subscription banner with a 'NEW!' tag and a 'Subscribe Today' button.

## JRE – JDK

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# IDE

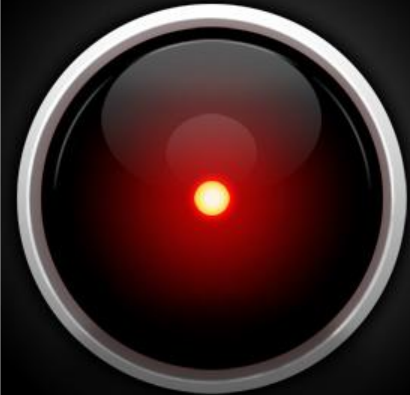
Integrated Development Environment ou Ambiente Integrado de Desenvolvimento, é um programa de computador que reúne ferramentas de apoio ao desenvolvimento com o objetivo de agilizar este processo. No Java as IDEs mais populares são o NetBeans da própria Oracle e o Eclipse.



## IDE

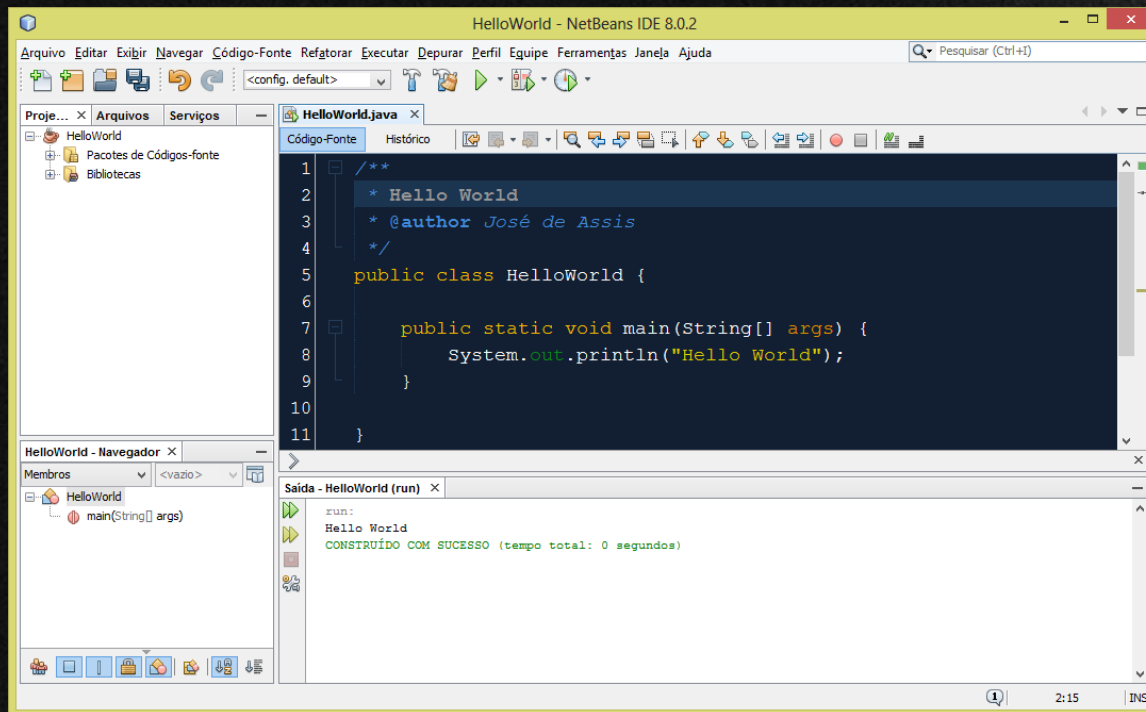


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# Hello World



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