

Data Science Academy

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JAVA Fundamentos

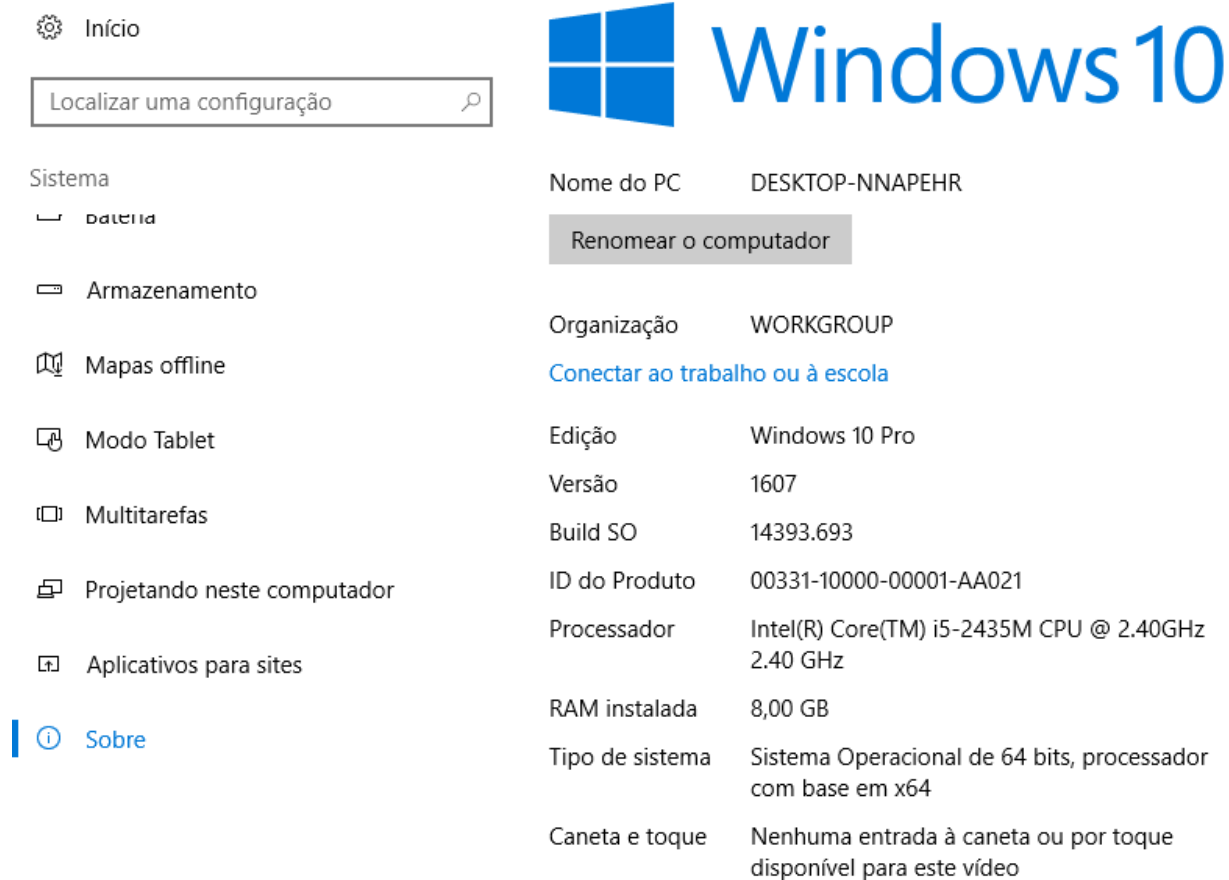
Instalando o Java e o IntelliJ no Windows

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Instalação do Java 8

1. A instalação do Java foi feita no Windows 10 - 64 bits. Mas o Java pode ser instalado em outras versões.



The screenshot shows the Windows 10 'Sobre' (About) page. On the left is a navigation pane with 'Início' (Home) at the top, followed by a search bar 'Localizar uma configuração'. Below are system settings: 'Sistema' (System), 'Bateria' (Battery), 'Armazenamento' (Storage), 'Mapas offline' (Offline maps), 'Modo Tablet' (Tablet mode), 'Multitarefas' (Taskbar), 'Projetando neste computador' (Project on this computer), and 'Aplicativos para sites' (Apps for websites). The 'Sobre' (About) section is highlighted with a blue bar and an information icon. The main area displays system information:

Nome do PC	DESKTOP-NNAPEHR
Renomear o computador	
Organização	WORKGROUP
Conectar ao trabalho ou à escola	
Edição	Windows 10 Pro
Versão	1607
Build SO	14393.693
ID do Produto	00331-10000-00001-AA021
Processador	Intel(R) Core(TM) i5-2435M CPU @ 2.40GHz 2.40 GHz
RAM instalada	8,00 GB
Tipo de sistema	Sistema Operacional de 64 bits, processador com base em x64
Caneta e toque	Nenhuma entrada à caneta ou por toque disponível para este vídeo

2. Acesse o endereço da Oracle para download do Java JDK no seu navegador e clique em "Accept License Agreement" para aceitar os termos de uso.

Oracle Technology Network > Java > Java SE > Downloads

Java SE Development Kit 8 Downloads

Thank you for downloading this release of the Java™ Platform, Standard Edition Development Kit (JDK™). The JDK is a development environment for building applications, applets, and components using the Java programming language.

The JDK includes tools useful for developing and testing programs written in the Java programming language and running on the Java platform.

See also:

- Java Developer Newsletter: From your Oracle account, select **Subscriptions**, expand **Technology**, and subscribe to **Java**.
- Java Developer Day hands-on workshops (free) and other events
- Java Magazine

JDK 8u121 checksum

Java SE Development Kit 8u121

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Product / File Description	File Size	Download
Linux ARM 32 Hard Float ABI	77.86 MB	jdk-8u121-linux-arm32-vfp-hflt.tar.gz
Linux ARM 64 Hard Float ABI	74.83 MB	jdk-8u121-linux-arm64-vfp-hflt.tar.gz
Linux x86	162.41 MB	jdk-8u121-linux-i586.rpm
Linux x86	177.13 MB	jdk-8u121-linux-i586.tar.gz
Linux x64	159.96 MB	jdk-8u121-linux-x64.rpm
Linux x64	174.76 MB	jdk-8u121-linux-x64.tar.gz
Mac OS X	223.21 MB	jdk-8u121-macosx-x64.dmg
Solaris SPARC 64-bit	139.64 MB	jdk-8u121-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	99.07 MB	jdk-8u121-solaris-sparcv9.tar.gz
Solaris x64	140.42 MB	jdk-8u121-solaris-x64.tar.Z
Solaris x64	96.9 MB	jdk-8u121-solaris-x64.tar.gz

3. Selecione a versão correta e clique para fazer download.

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Linux ARM 32 Hard Float ABI	77.86 MB	jdk-8u121-linux-arm32-vfp-hflt.tar.gz
Linux ARM 64 Hard Float ABI	74.83 MB	jdk-8u121-linux-arm64-vfp-hflt.tar.gz
Linux x86	162.41 MB	jdk-8u121-linux-i586.rpm
Linux x86	177.13 MB	jdk-8u121-linux-i586.tar.gz
Linux x64	159.96 MB	jdk-8u121-linux-x64.rpm
Linux x64	174.76 MB	jdk-8u121-linux-x64.tar.gz
Mac OS X	223.21 MB	jdk-8u121-macosx-x64.dmg
Solaris SPARC 64-bit	139.64 MB	jdk-8u121-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	99.07 MB	jdk-8u121-solaris-sparcv9.tar.gz
Solaris x64	140.42 MB	jdk-8u121-solaris-x64.tar.Z
Solaris x64	96.9 MB	jdk-8u121-solaris-x64.tar.gz
Windows x86	189.36 MB	jdk-8u121-windows-i586.exe
Windows x64	195.51 MB	jdk-8u121-windows-x64.exe

Java SE Development Kit 8u121 Demos and Samples Downloads

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4. Aguarde até que o download seja concluído.

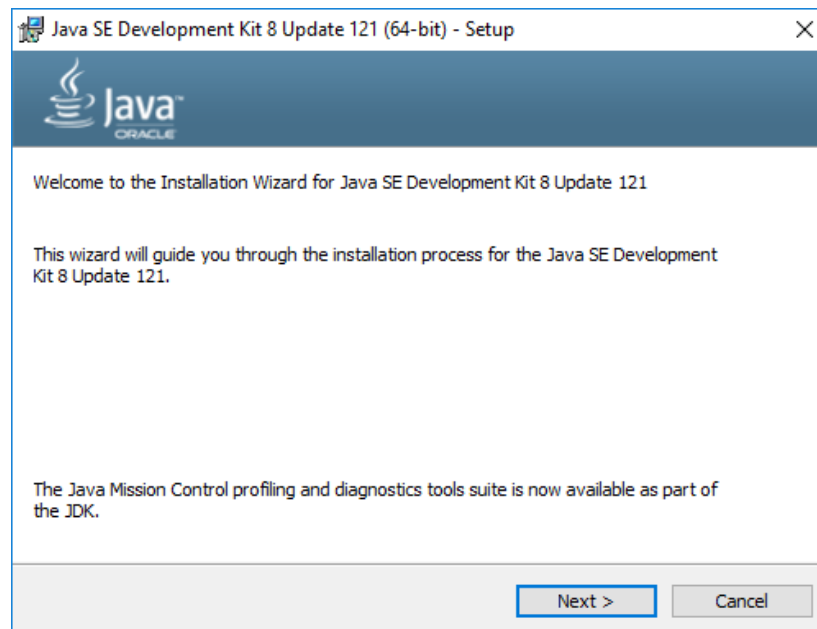
0% de jdk-8u121-windows-x64.exe baixado de download.oracle.com
14 min 20 s restante(s)

Pausar

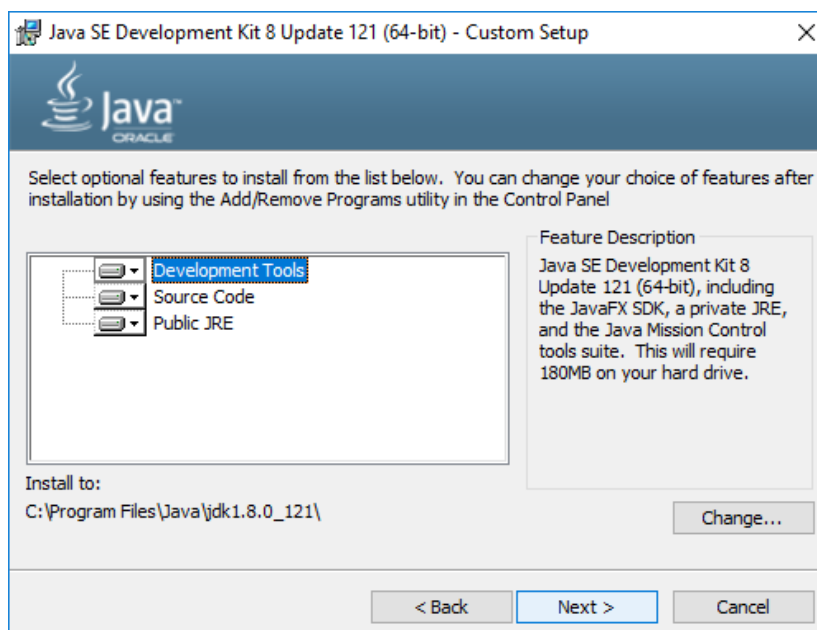
Cancelar



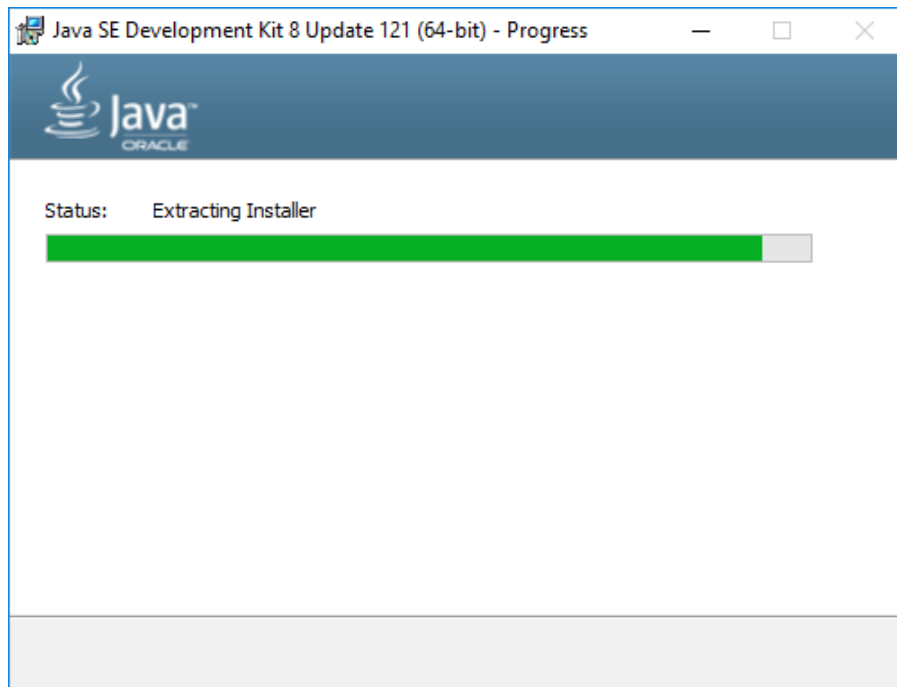
5. Clique no arquivo que foi baixado e aguarde até que seja aberto. Clique em "Next".



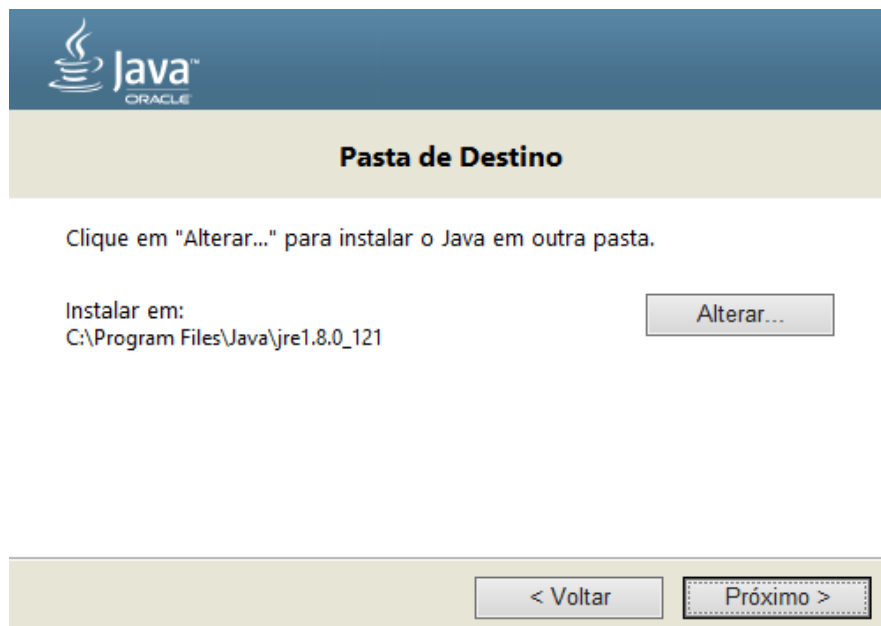
6. Clique novamente em "Next".



7. Aguarde o instalador ser extraído.



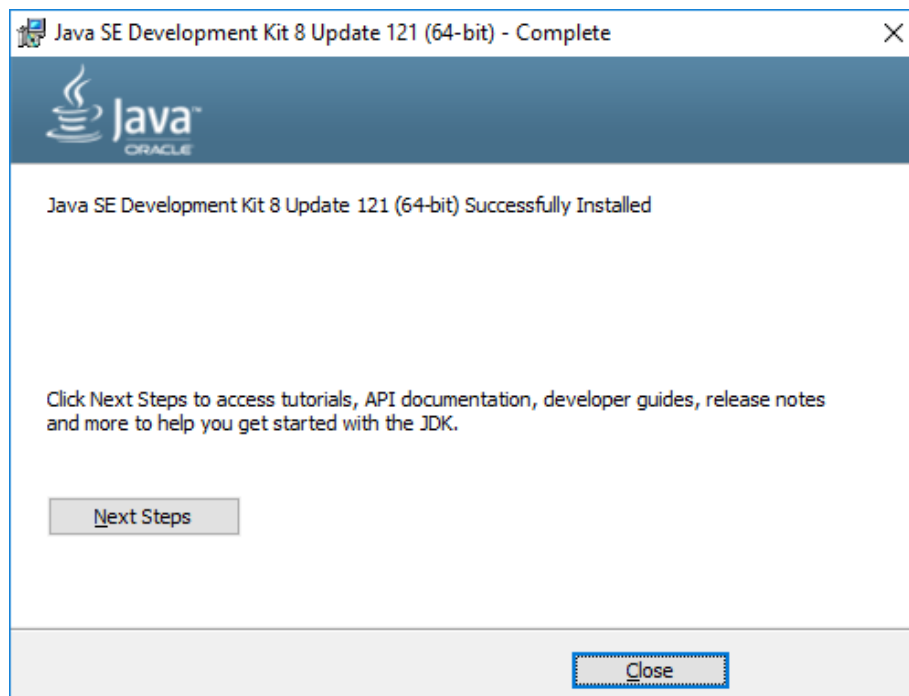
8. Clique em "Próximo"



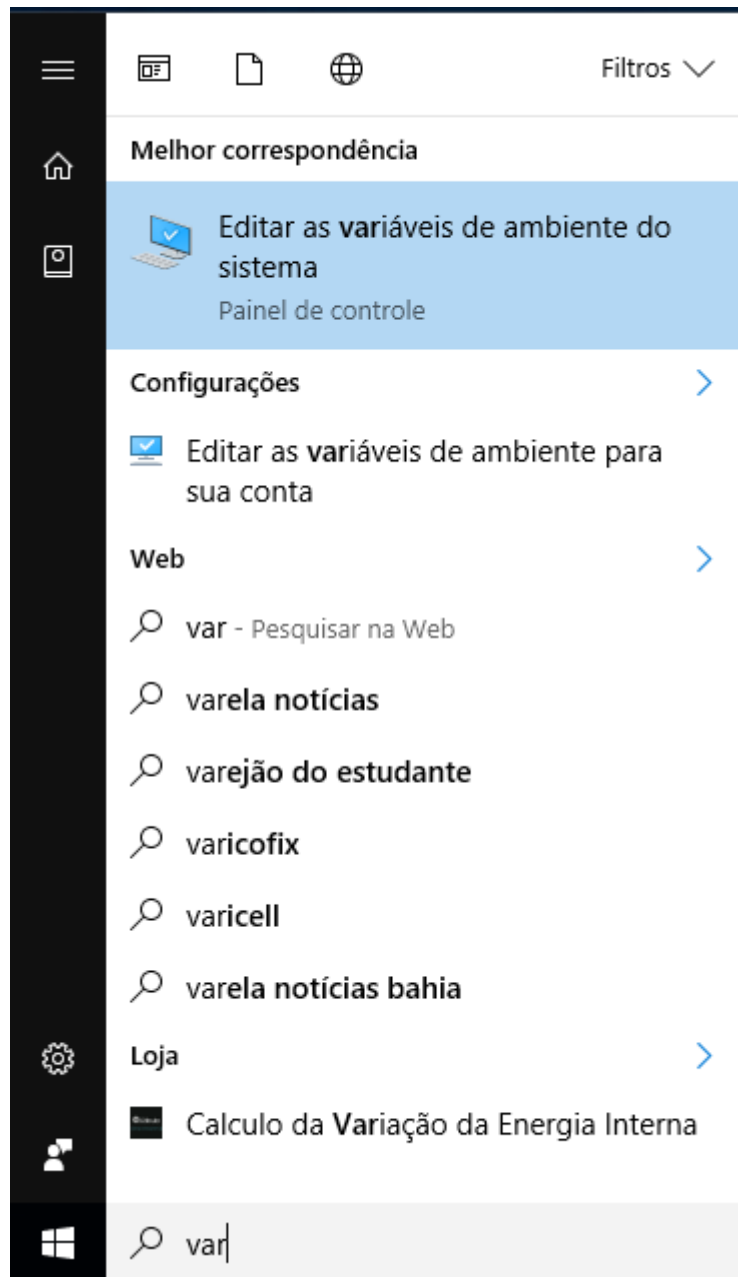
9. Aguarde a instalação ser concluída.



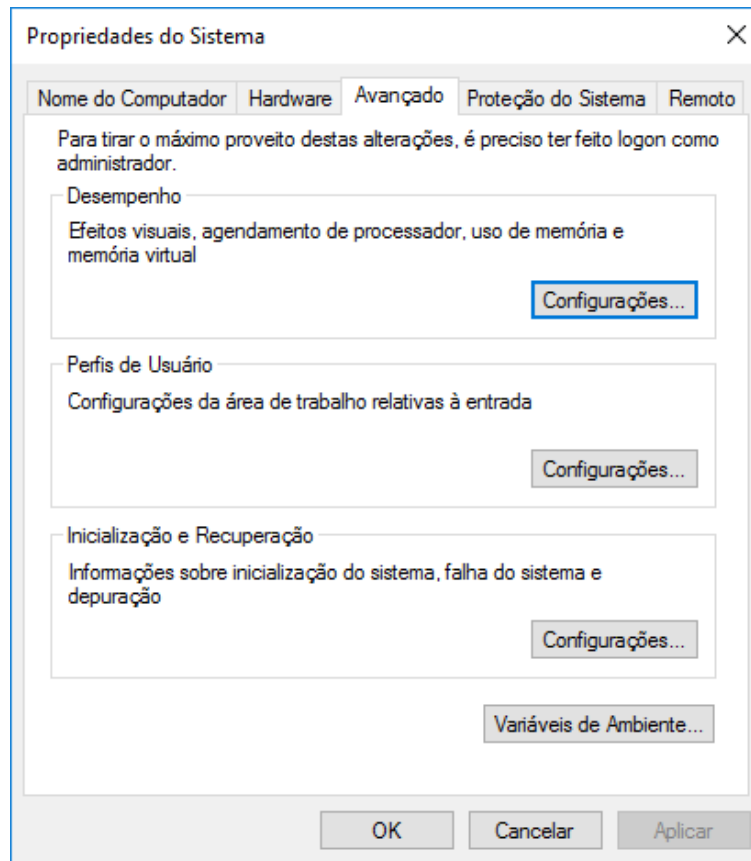
10. Clique em "Close"



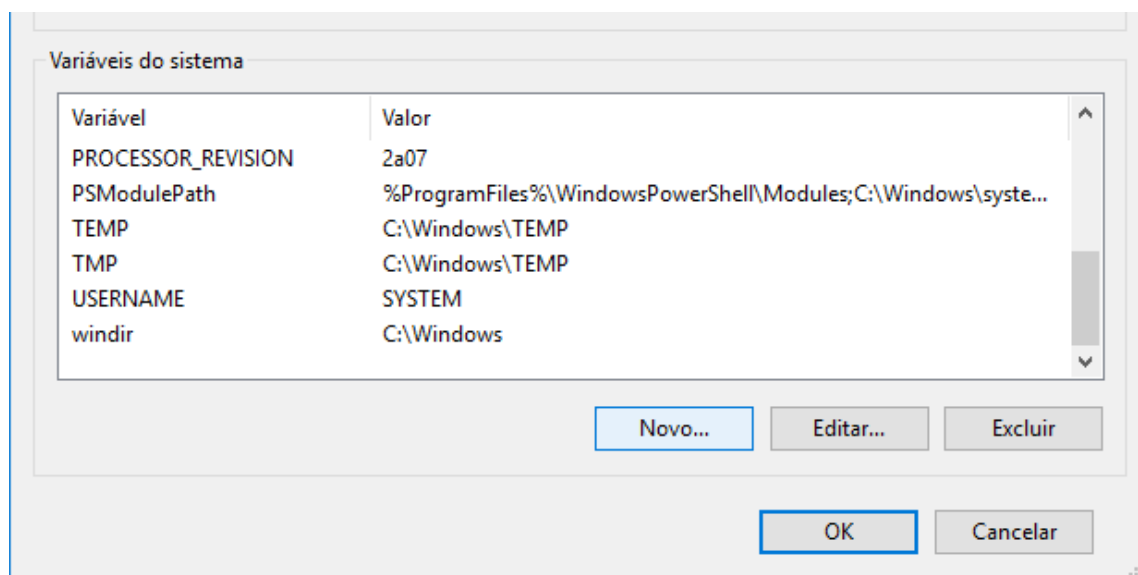
11. No menu “Iniciar” do Windows, digite “Editar as variáveis de ambiente do sistema” e clique.



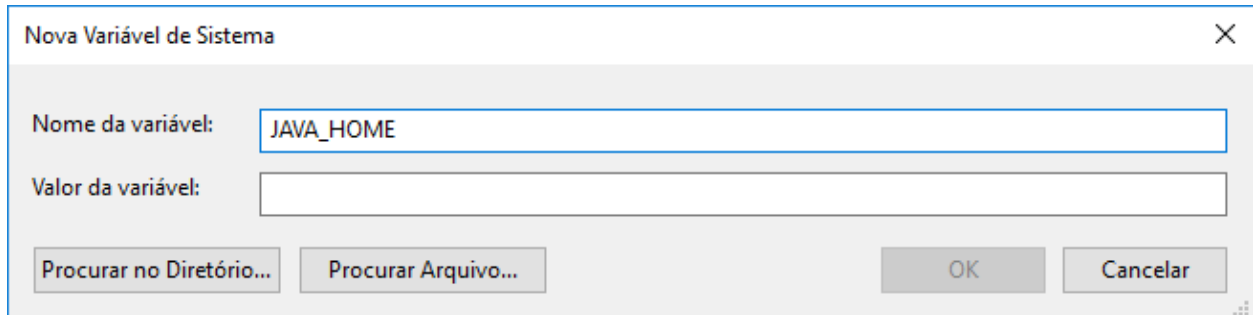
12. Na janela que abrir, clique em “Variáveis de Ambiente”



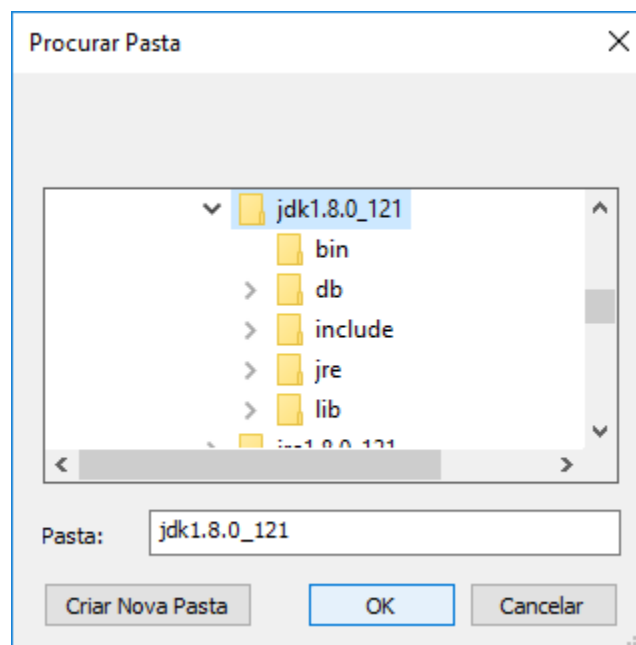
13. Na parte de baixo da tela depois do quadro “Variáveis do Sistema”, clique em “Novo”



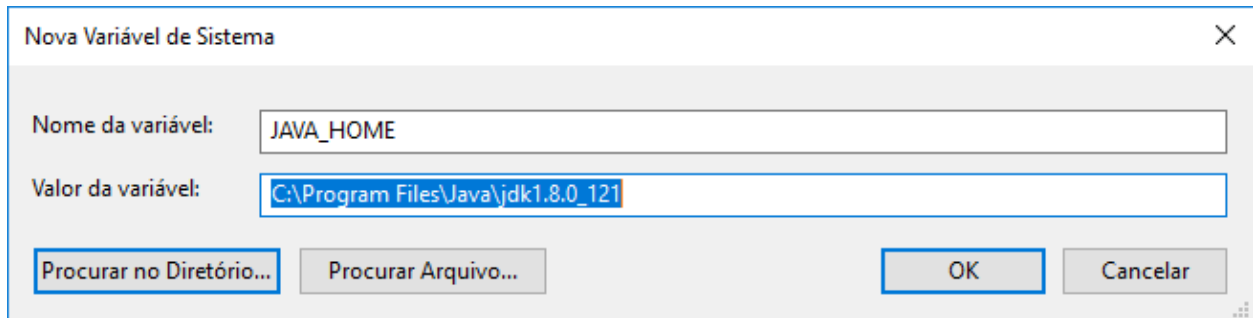
14. Na janela que abrir, em “Nome da Variável”, digite “JAVA_HOME”. Em seguida, clique em “Procurar no Diretório”.



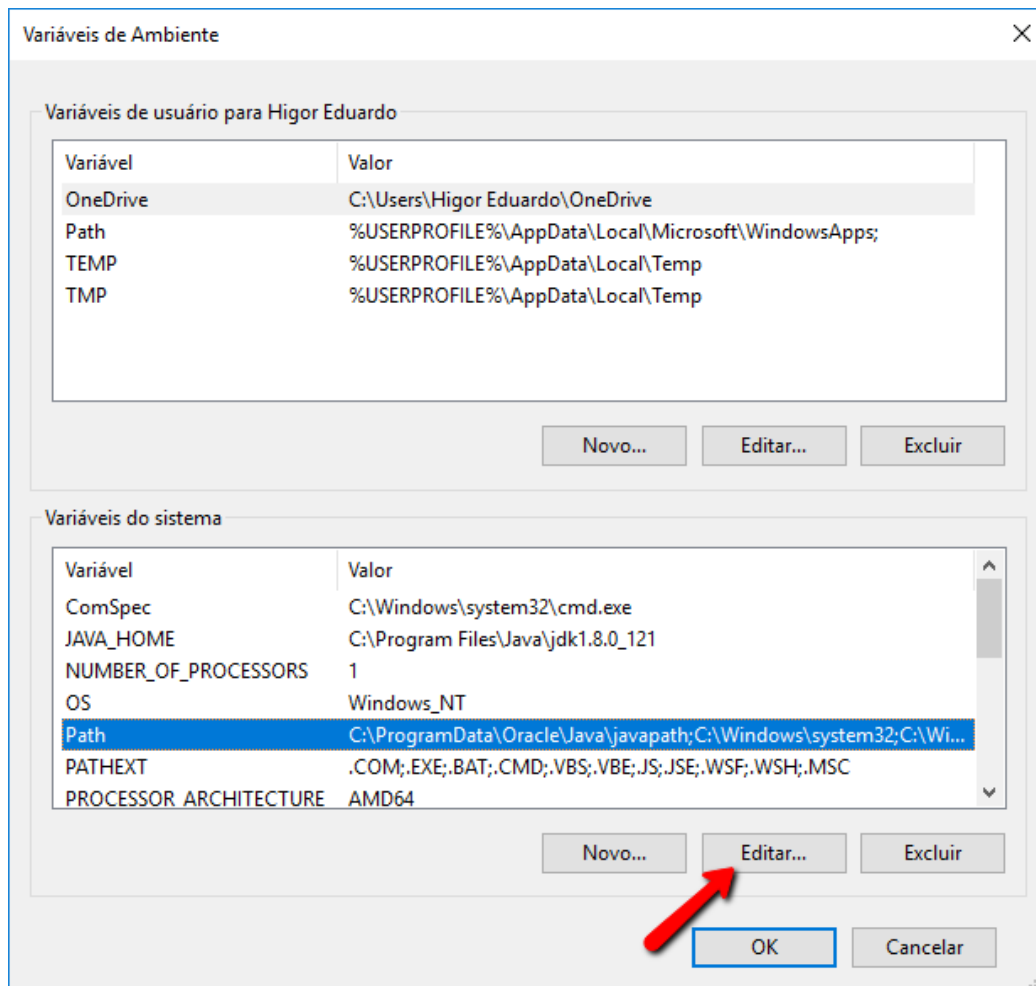
15. Navegue pela estrutura e selecione o diretório em que o Java foi instalado e clique em “OK”. No nosso caso: C:\Program Files\Java\jdk1.8.0_121



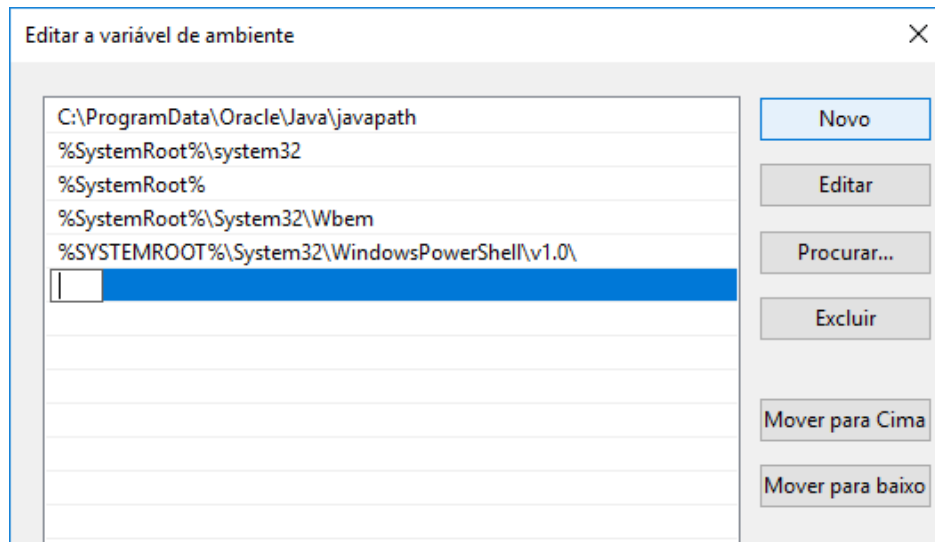
16. Confira as informações e clique novamente em “OK”.



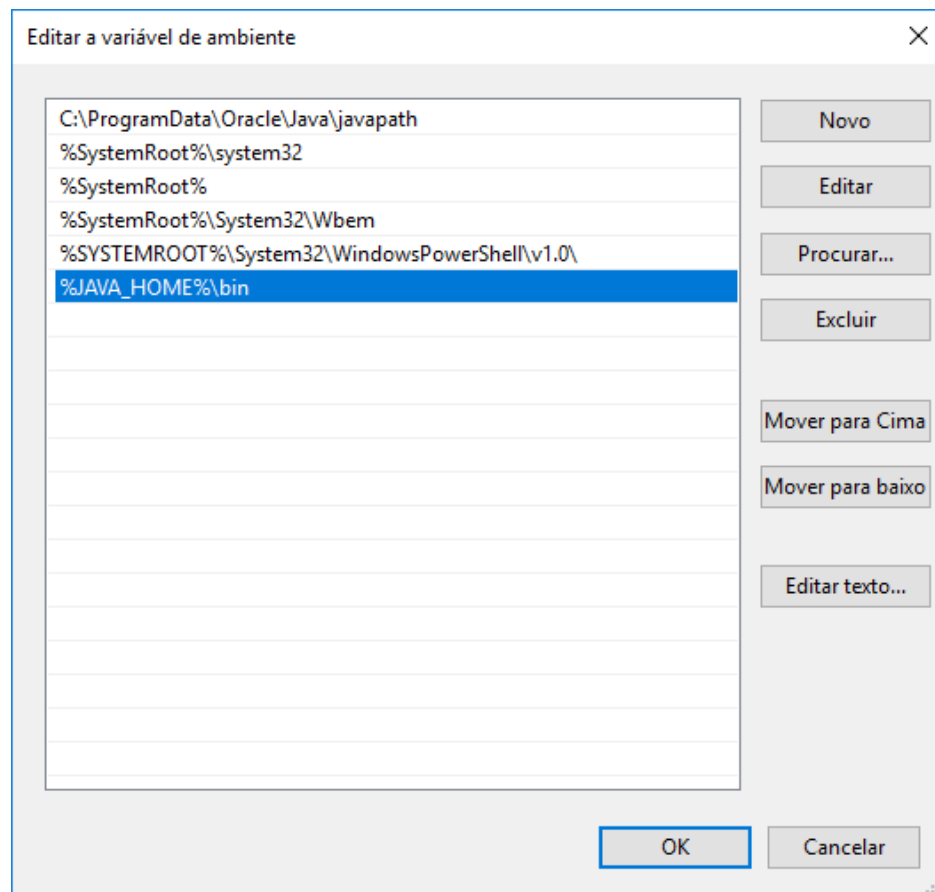
17. Procure na parte de baixo da tela, dentro do quadro “Variáveis do sistema” a entrada “Path” e clique em “Editar”.



18. Clique em “Novo”

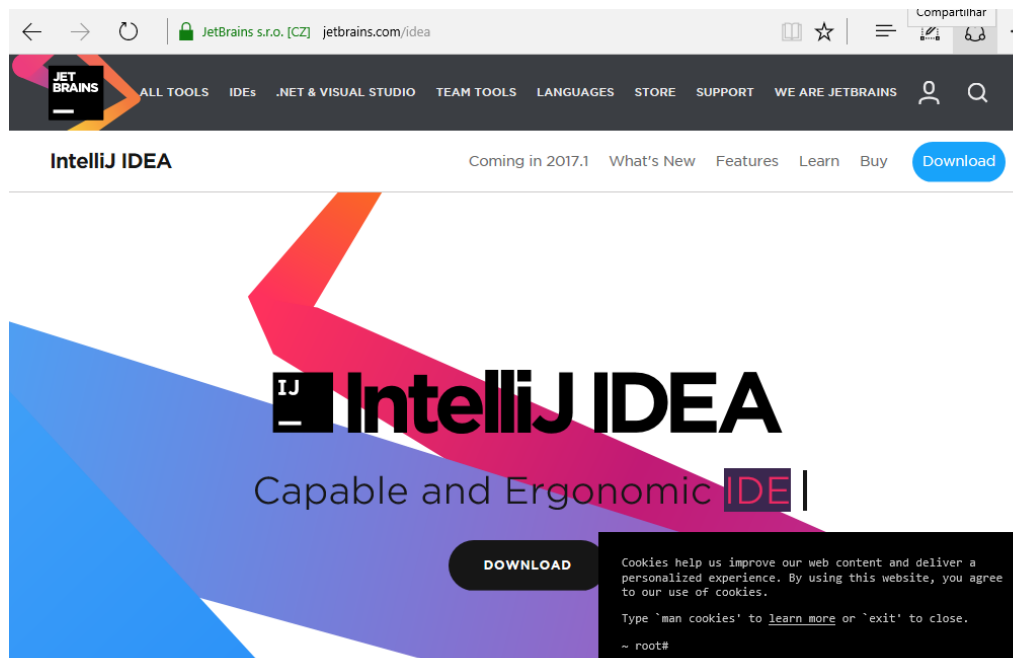


19. Digite “%JAVA_HOME%\bin” e clique em “OK”

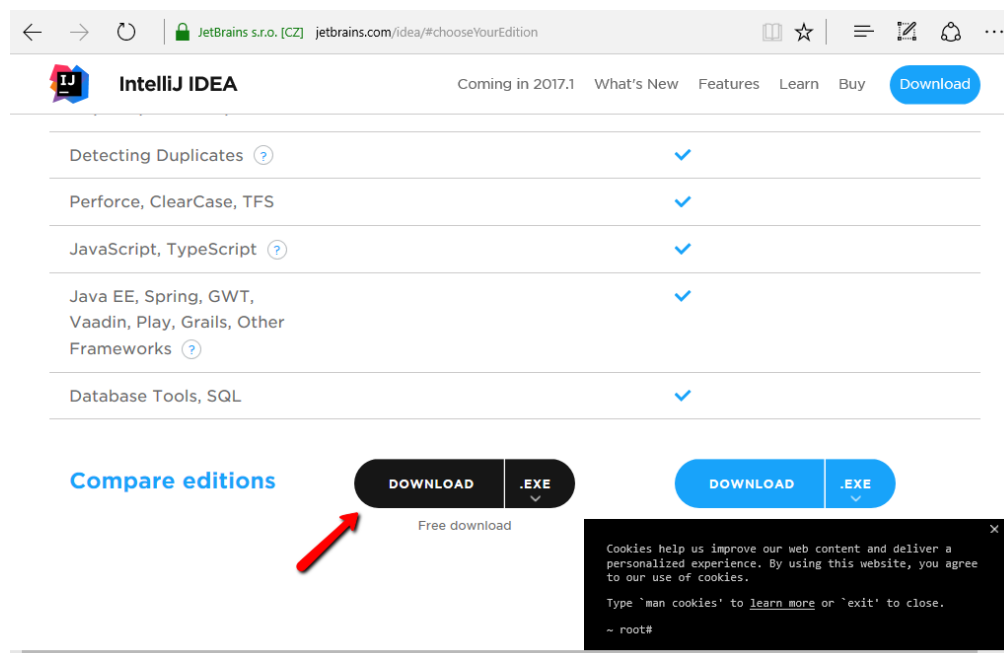


Instalação do IntelliJ

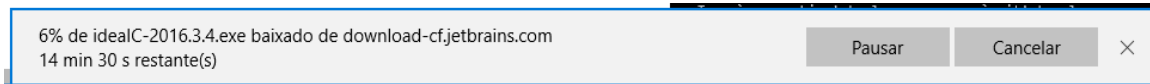
1. Depois de instalado o Java, podemos partir para o IntelliJ. Para isso, acesse o site <https://www.jetbrains.com/idea/> e clique em “Download”



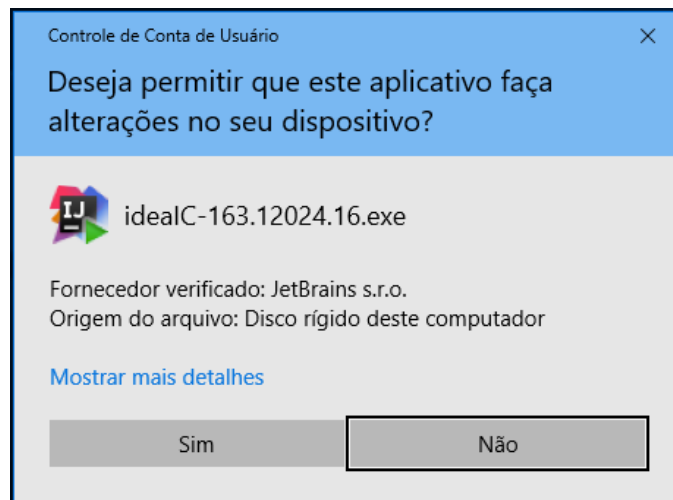
2. Verifique se a opção “.EXE” está selecionada e clique novamente em “Download” na coluna da versão “Community”.



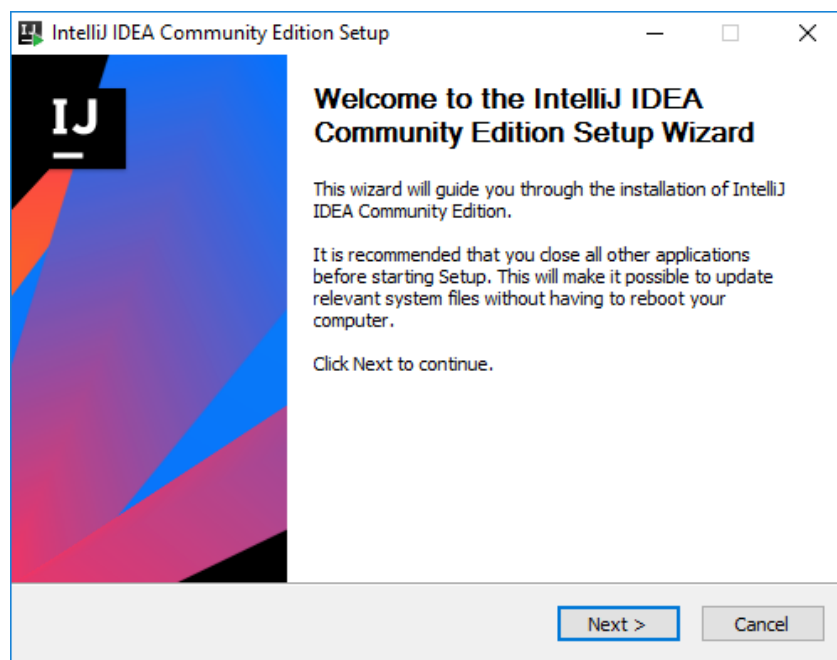
3. Salve o arquivo no seu computador e aguarde o download terminar. Clique no arquivo que foi baixado.



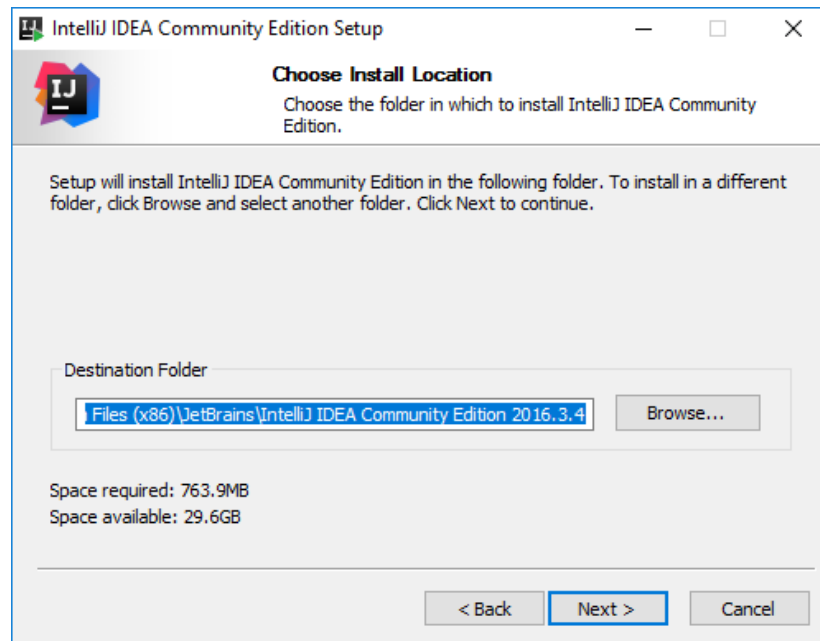
4. Caso seja questionado se deseja permitir que o aplicativo faça alterações no seu computador, clique em "Sim".



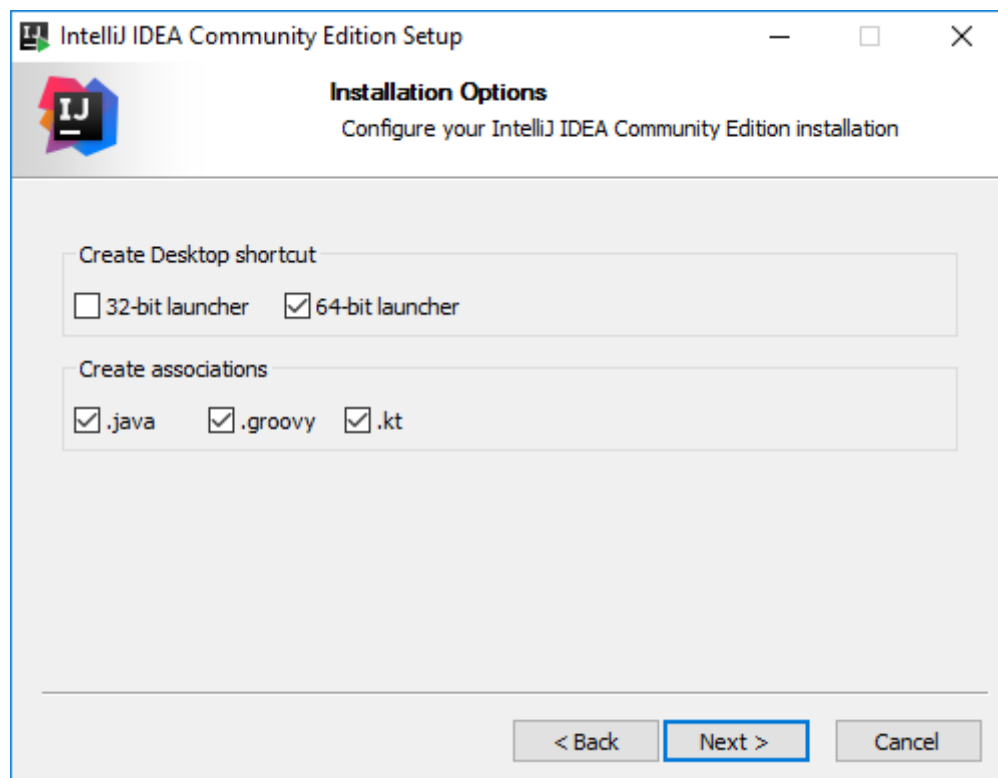
5. Quando a janela abrir, clique em "Next".



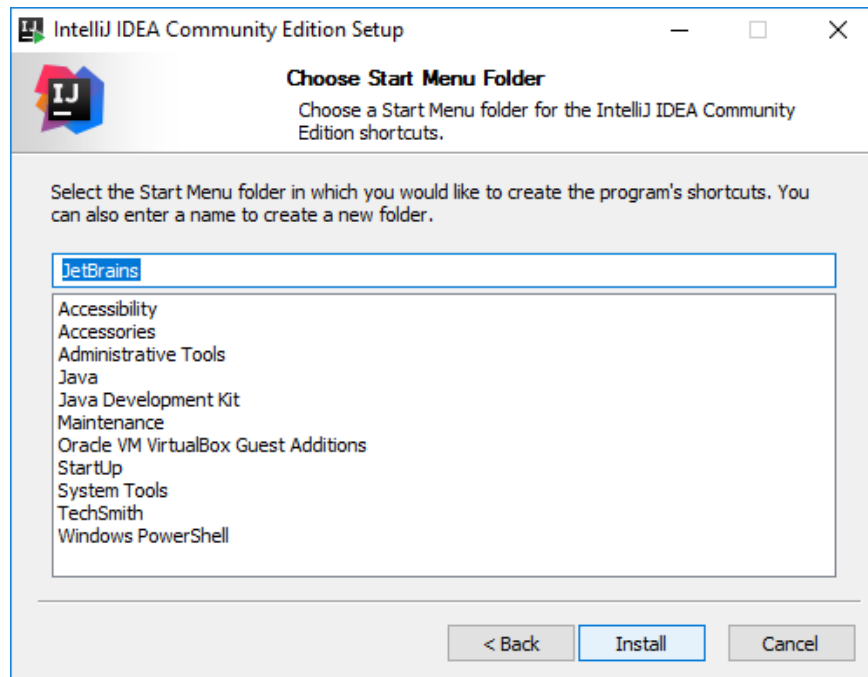
6. Clique novamente em “Next”.



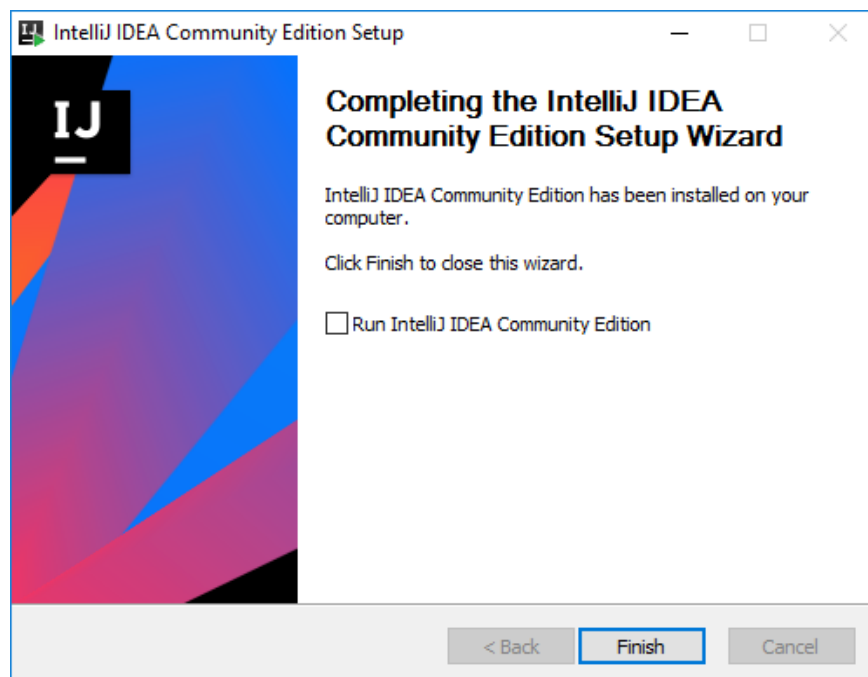
7. Marque as opções para criar atalho e associar o IntelliJ às extensões de arquivos e clique em “Next”



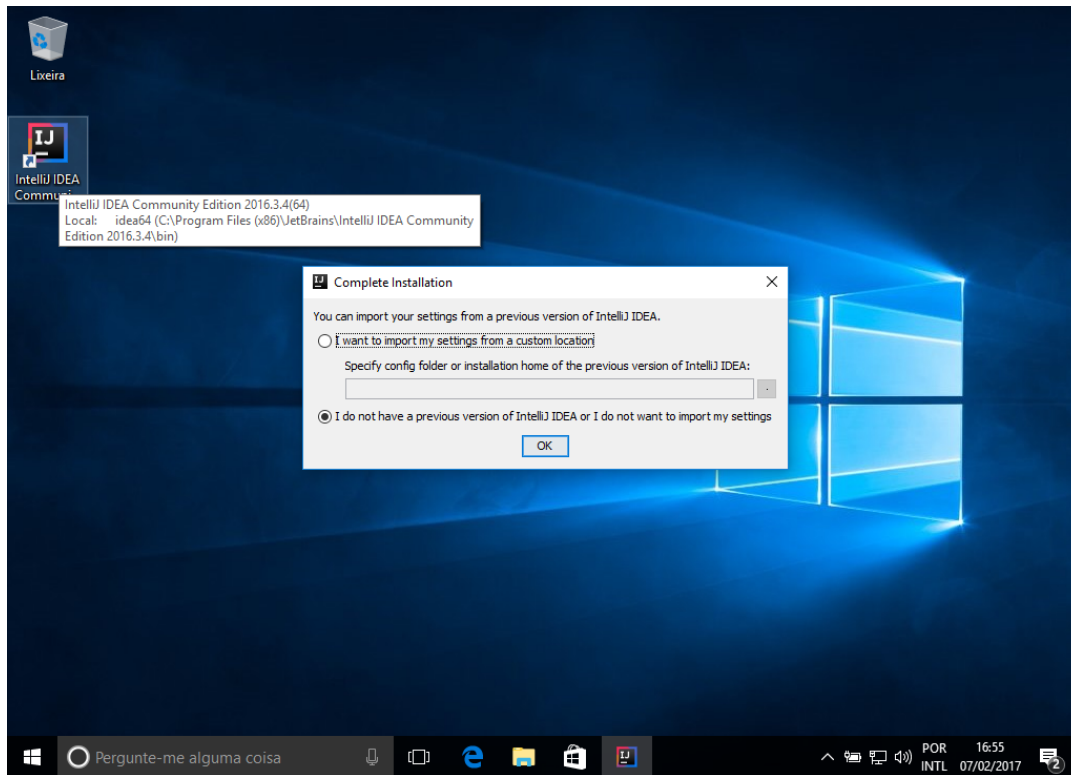
8. Clique em “Install” e aguarde o fim da instalação.



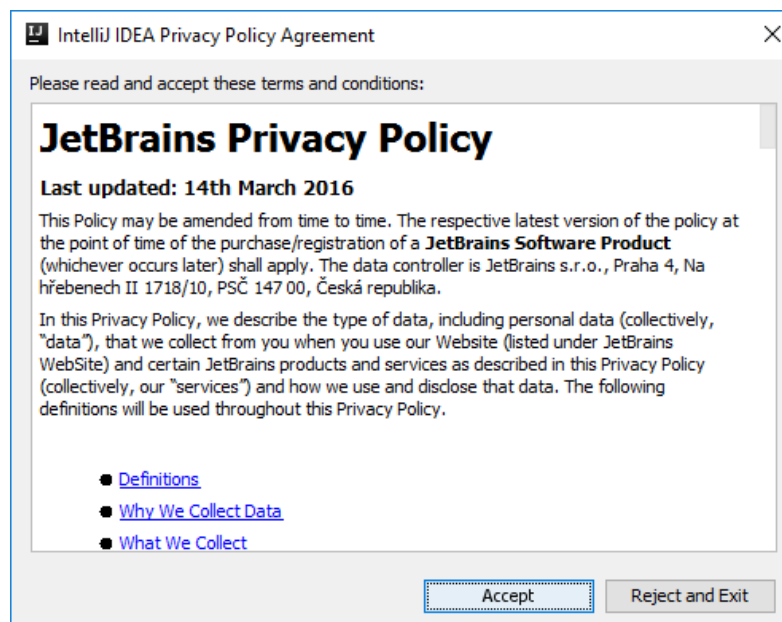
9. Clique em “Finish”.



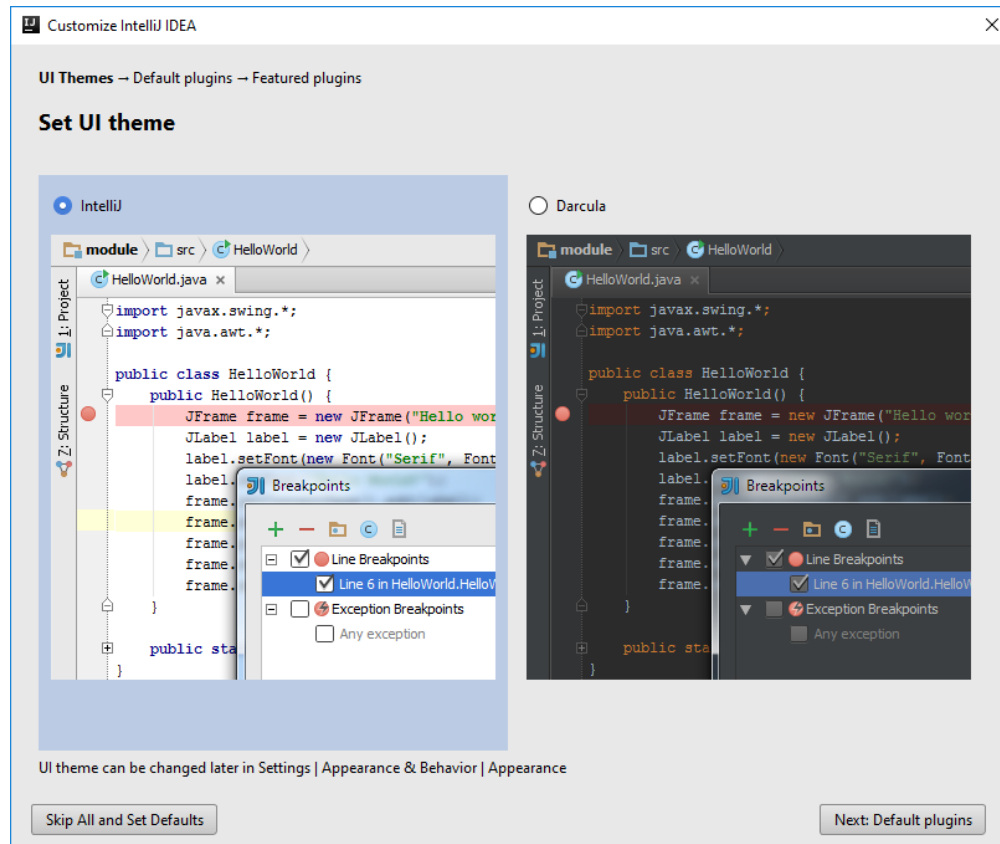
10. Clique duas vezes no ícone que foi adicionado na área de trabalho e em “OK” na janela que abrir.



11. Clique em “Accept” para aceitar os termos de uso.



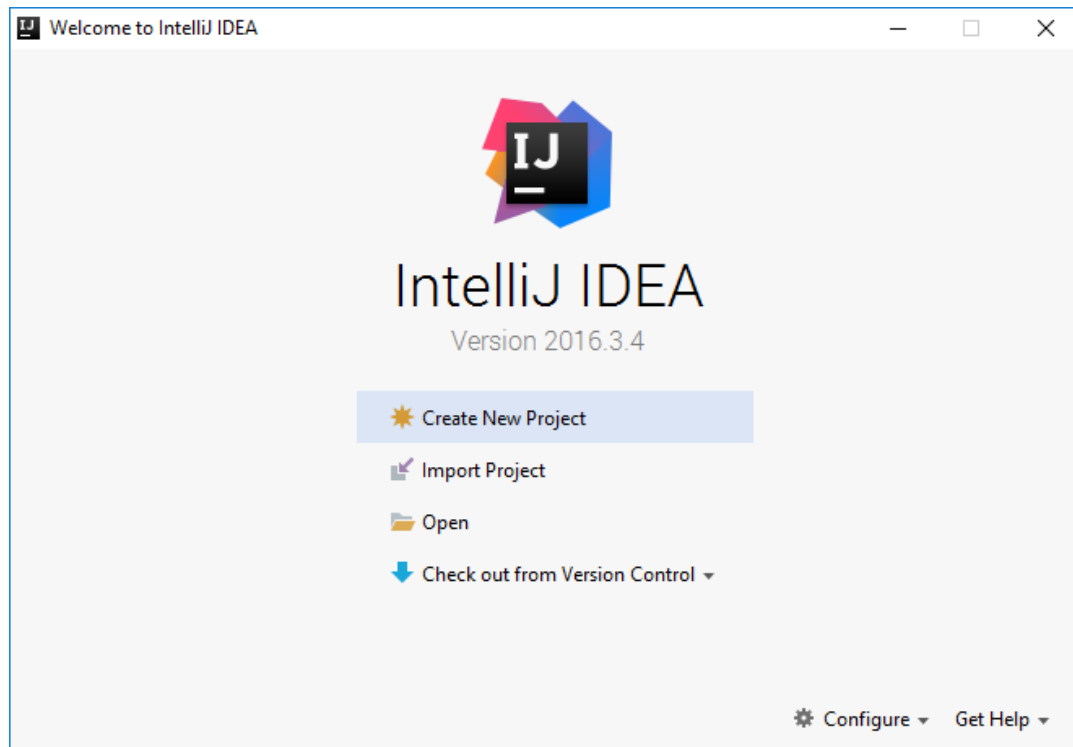
12. Selecione as opções para personalizar o software ou clique em “Skip All and Set Default” para escolher as opções padrão.



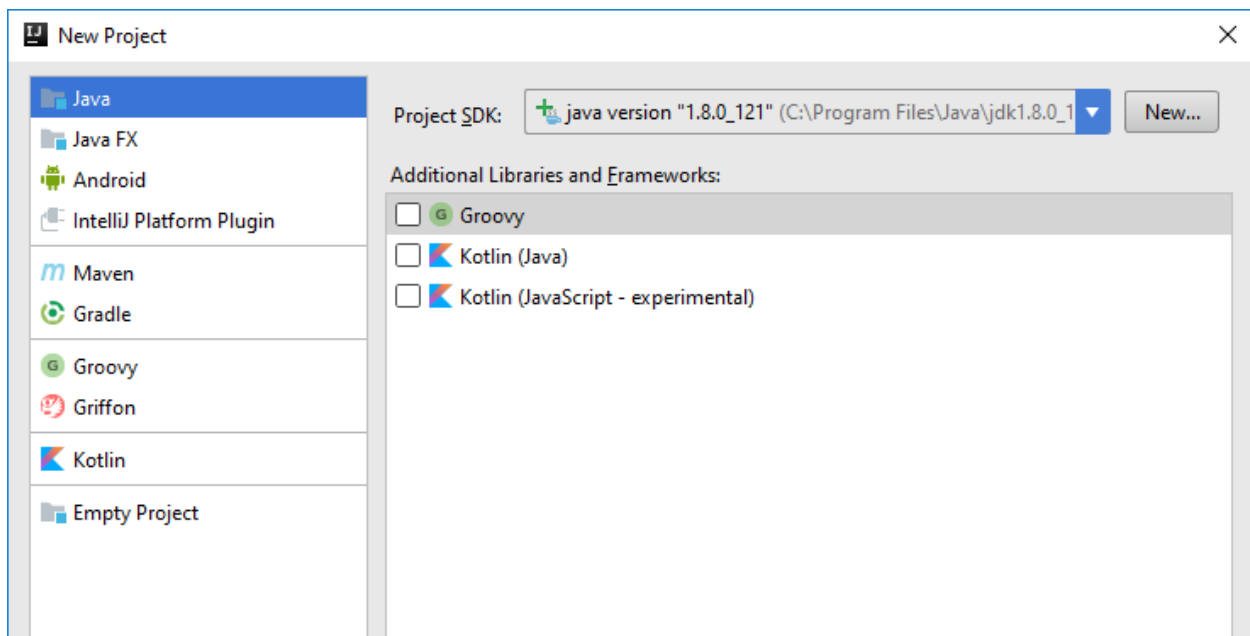
13. Espere até que a aplicação abra.



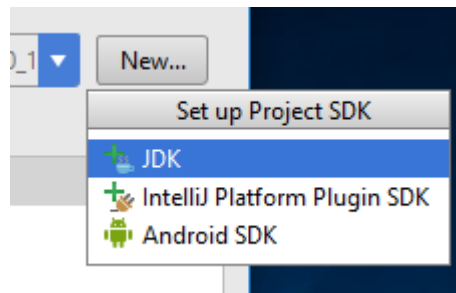
14. Clique em “Create New Project”



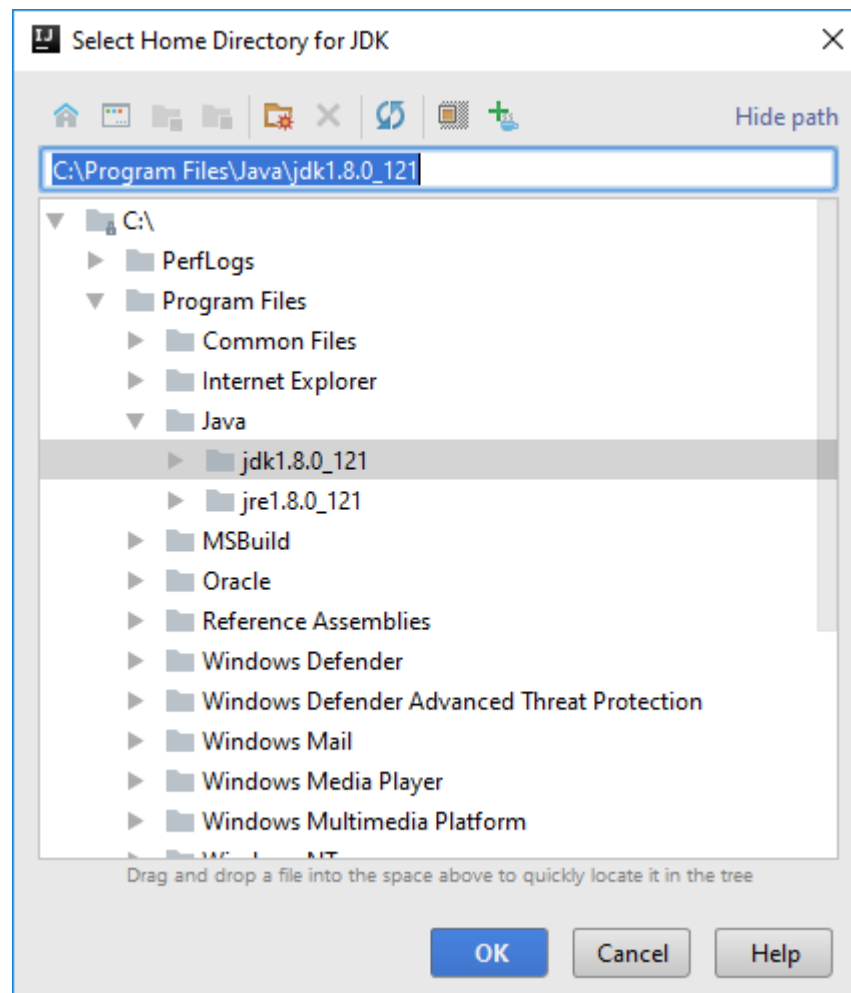
15. Na tela seguinte, se a versão do java selecionada não for a adequada, clique em “New”



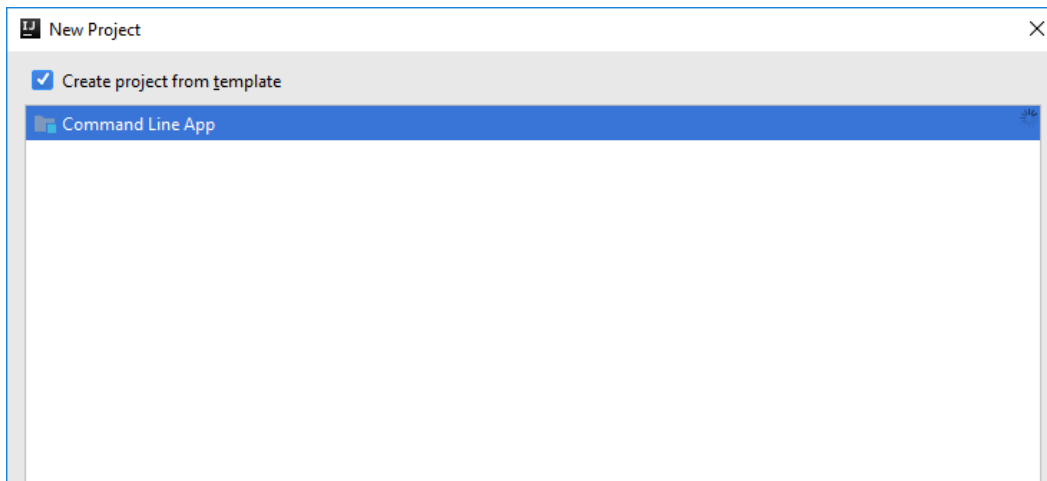
16. Escolha “JDK”



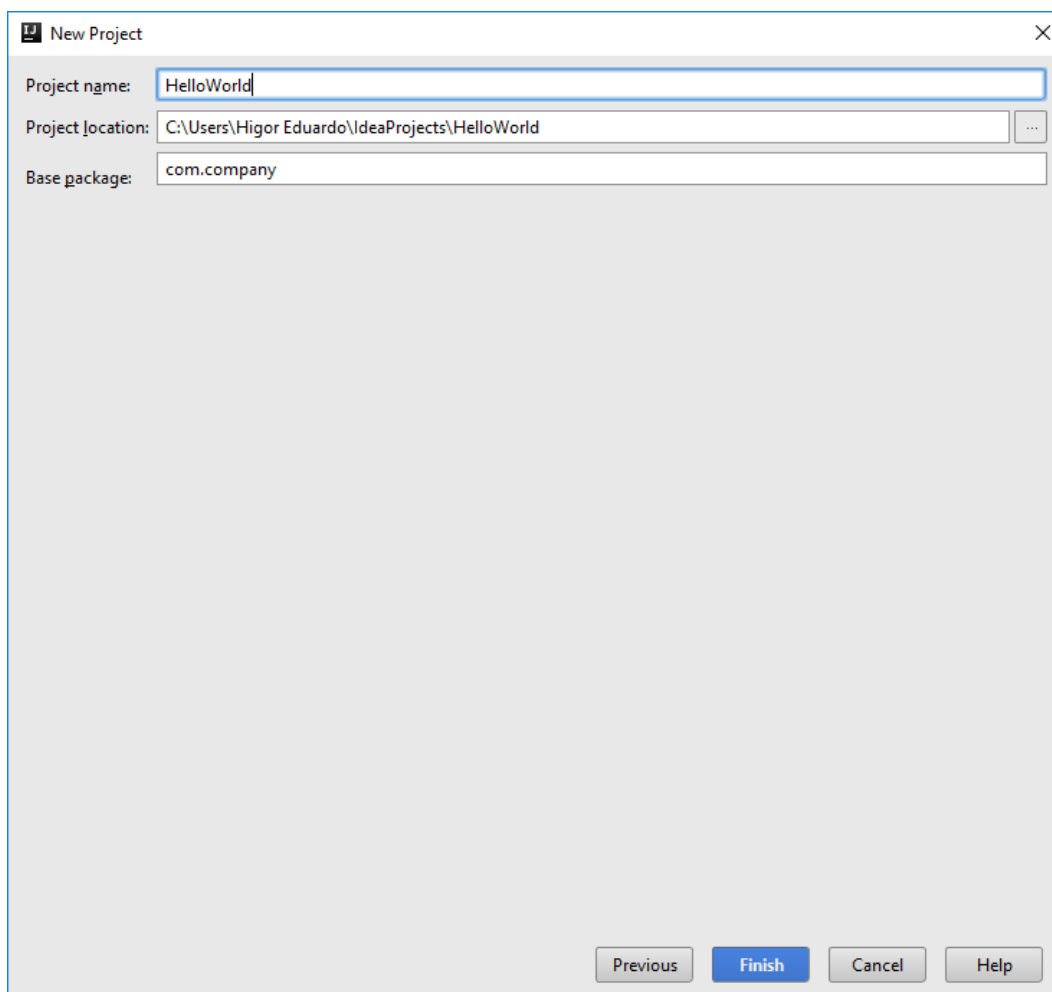
17. Navegue na estrutura até o diretório adequado. No nosso caso “C:\Program Files\Java\jdk1.8.0_121”. Clique em “OK” e em “Next”.



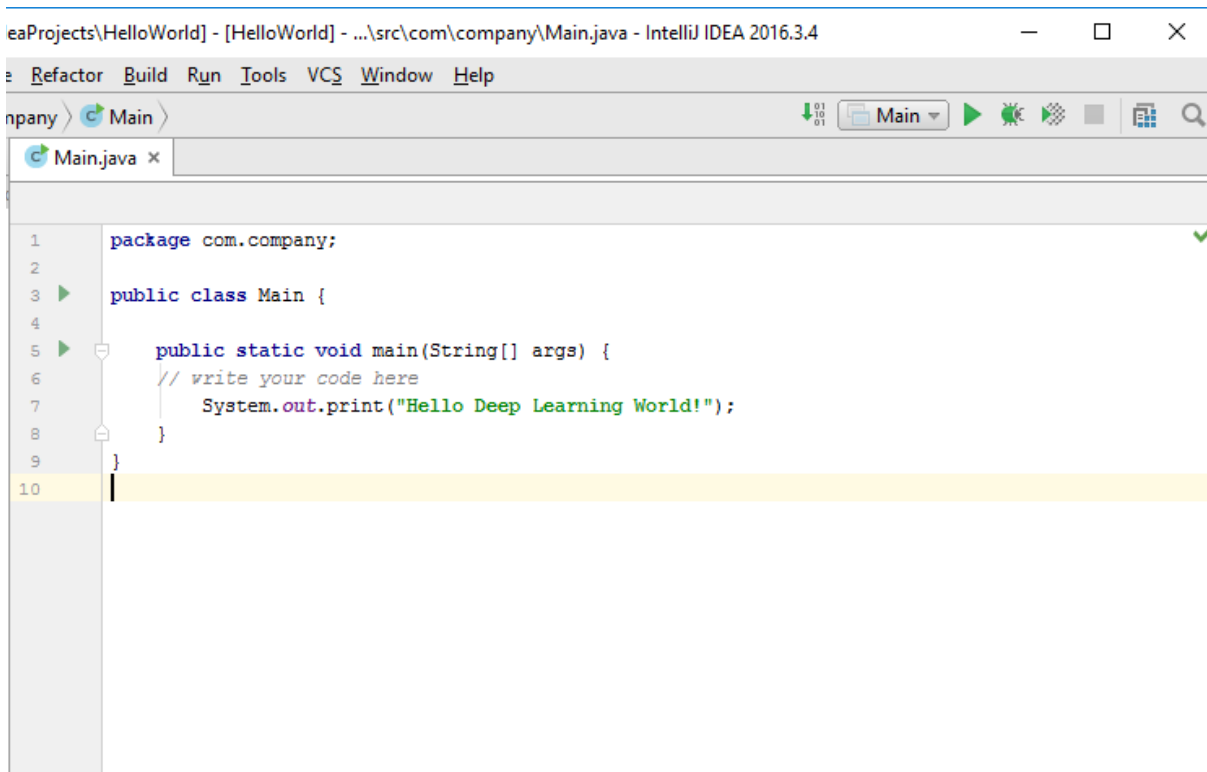
18. Escolha “Create Project from template” e clique em “Next”.



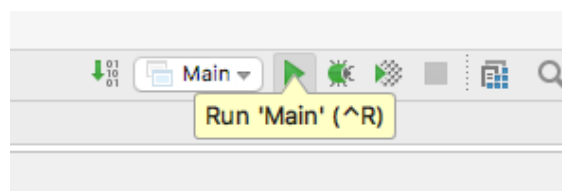
19. Digite “Hello World” em “Project name” e clique em “Finish”



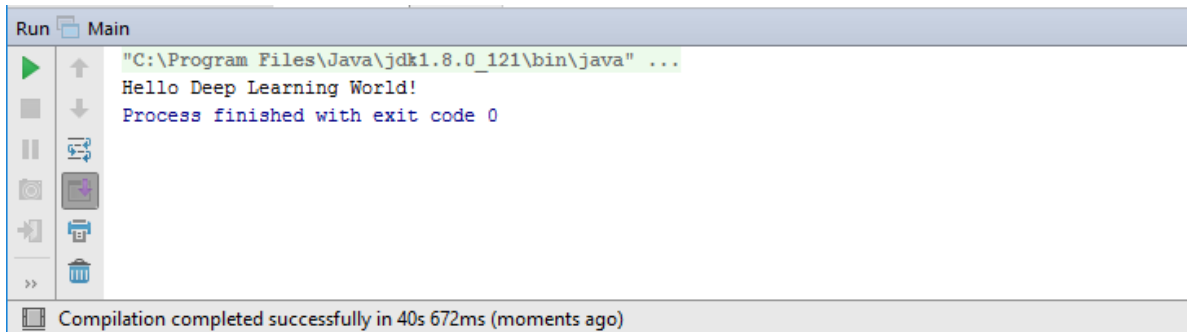
20. Aguarde a aplicação iniciar e digite logo abaixo do comentário “write your code here” o seguinte comando:
> System.out.print(“Hello Deep Learning World!”);



21. Na barra de menu, clique na setinha verde para rodar seu primeiro programa escrito em Java.



22. Observe na parte de baixo da tela a saída do seu primeiro programa.



The screenshot shows the 'Run' console of an IDE. The title bar says 'Run Main'. The console output is as follows:

```
"C:\Program Files\Java\jdk1.8.0_121\bin\java" ...  
Hello Deep Learning World!  
Process finished with exit code 0
```

On the left side of the console, there is a vertical toolbar with icons for running, stepping through, and other debugging actions. At the bottom of the console, a status bar indicates: 'Compilation completed successfully in 40s 672ms (moments ago)'.

Parabéns!

Você já pode começar a escrever seus programas
em Java!

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<http://github.com/dsacademybr>

