



Testes Mobile

Material Complementar



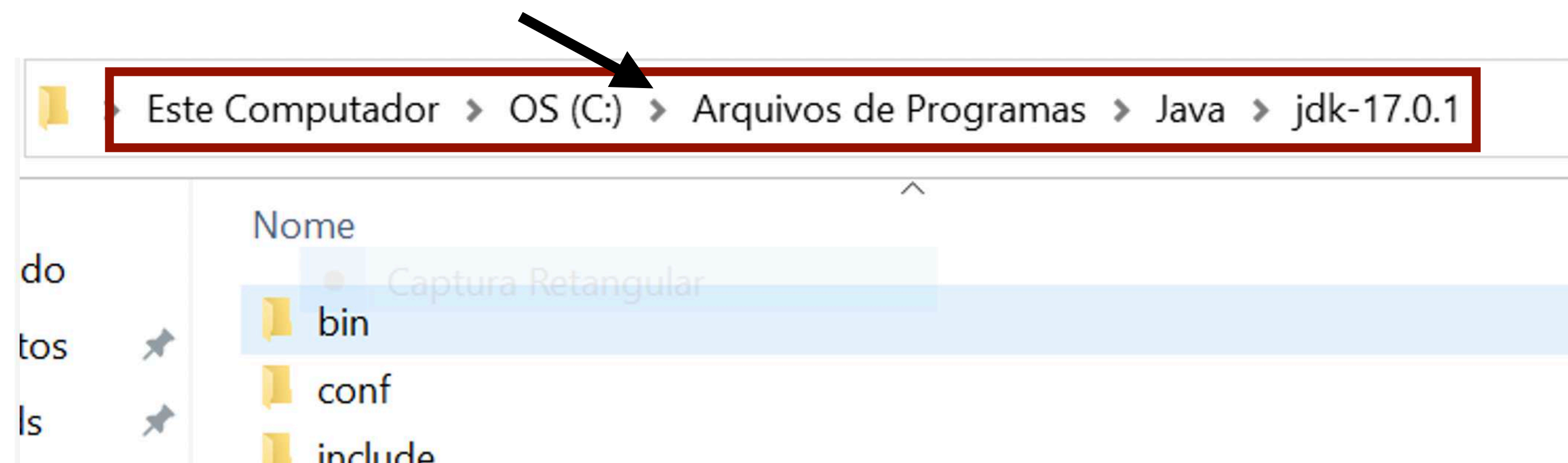
Links Úteis

- Página oficial WebDriverIO - <https://webdriver.io/>
- Página oficial Appium - <http://appium.io/>
- Página oficial Browserstack - <https://www.browserstack.com/>
- Seletores Mobile WebDriverIO - <https://webdriver.io/docs/selectors#mobile-selectors>
- Seletores Mobile Appium - <https://appium.io/docs/en/commands/element/find-elements/>
- Seletores Nativos Android - <https://developer.android.com/reference/androidx/test/uiautomator/UiSelector>
- Seletores Nativos / Predicados iOS - <https://developer.apple.com/documentation/foundation/nspredicate>
- Palestras do AppiumConf 2021 - <https://www.youtube.com/hashtag/appiumconf2021>
- AWS Device Farm - https://docs.aws.amazon.com/pt_br/devicefarm/latest/developerguide/welcome.html
- Sauce Labs - <https://saucelabs.com/>



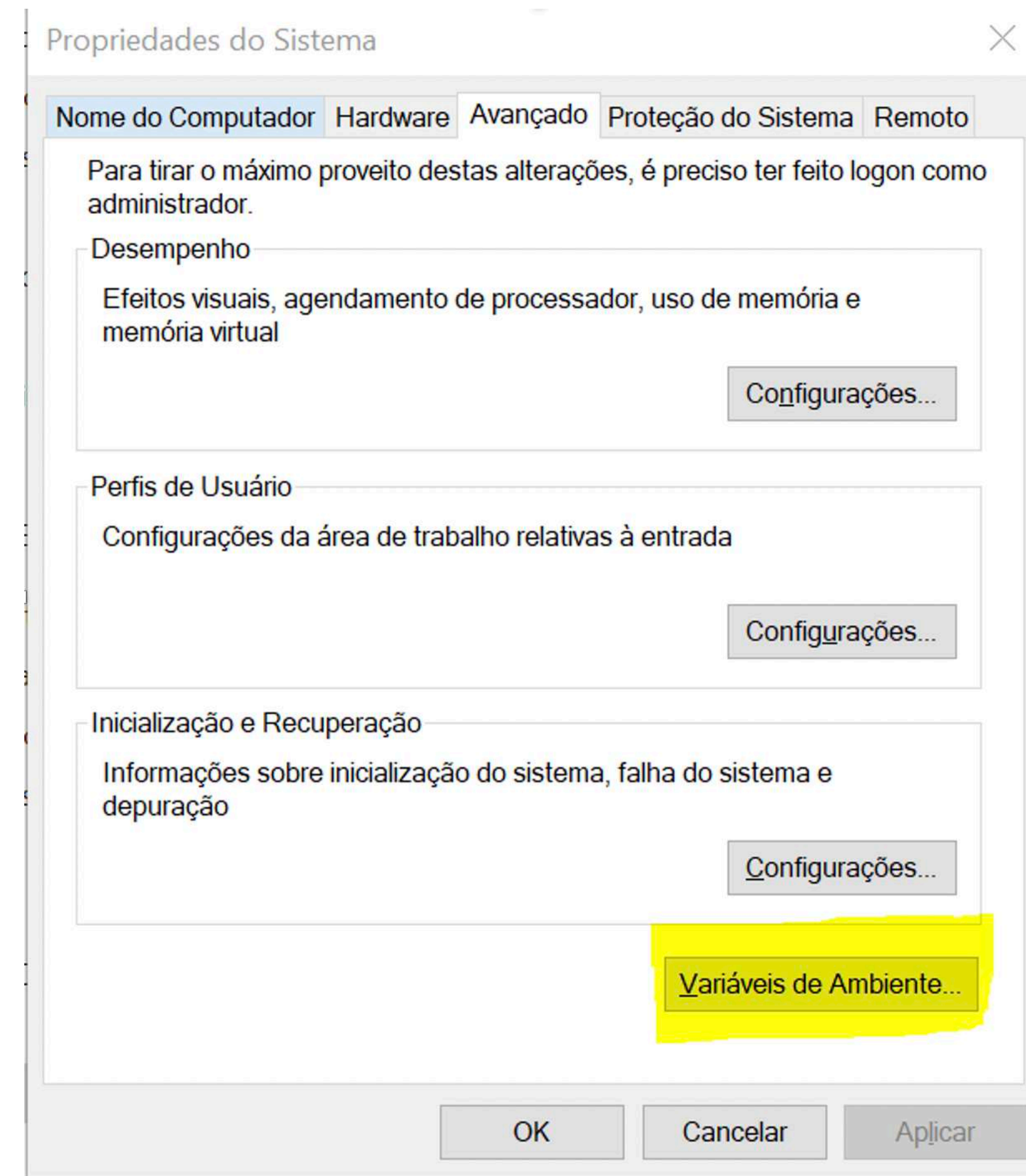
Setup em ambientes Windows

- Baixe a versão mais atual do Java JDK aqui: <https://www.oracle.com/java/technologies/downloads>
- Faça a instalação do Java JDK
- Baixe o Android Studio, pois através dele teremos acesso ao SDK: https://developer.android.com/studio?hl=pt&gclid=Cj0KCCQiA5OuNBhCRARIsACgaiqUJIV_vJQs2hoGx3TzoZ1UVMgn1CeYQmmDG7xM5IlotyEHkZLKrt4kaAkgDEALw_wcB&gclsrc=aw.ds#downloads
- Faça a instalação do Android SDK
- Acesse a pasta onde o Java foi instalado e copie o caminho



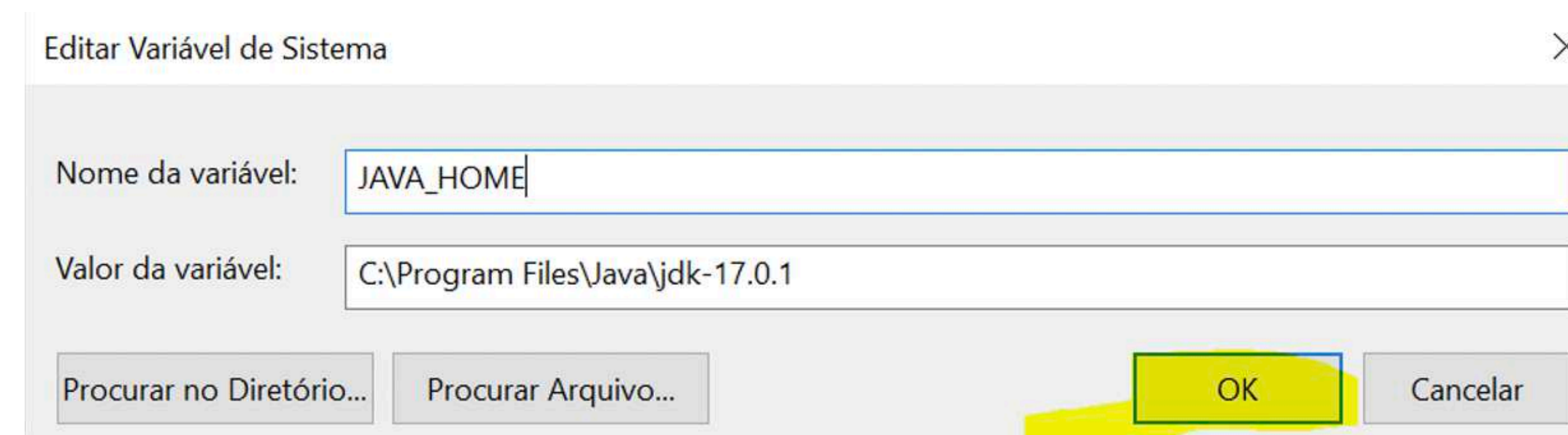
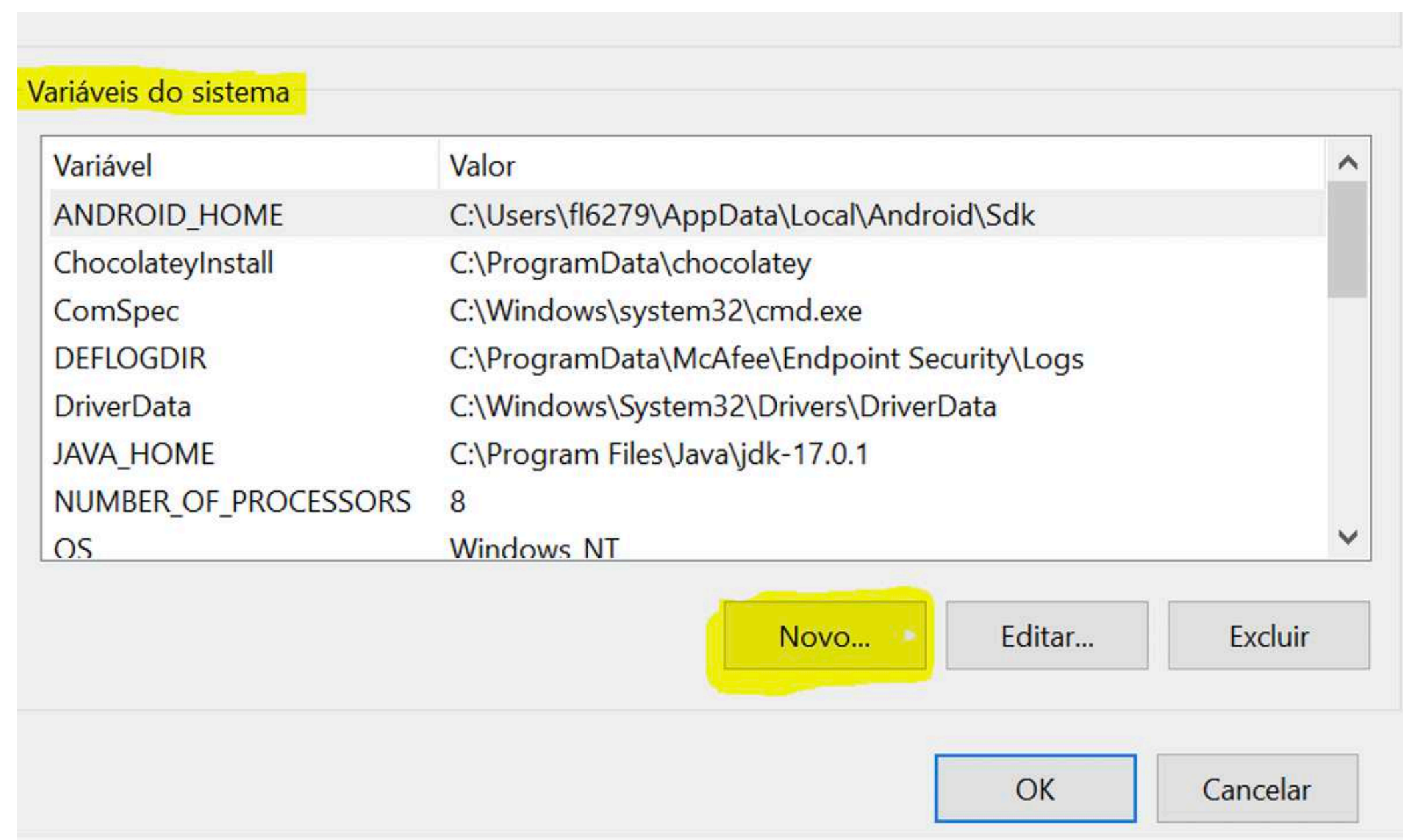
Setup em ambientes Windows

- Abra a pesquisa do windows e digite variáveis de ambiente e clique no resultado "Editar variáveis de ambiente" (ou pressione as teclas **Windows+Pause**)
- Clique na opção “**Variáveis de Ambiente**” (ou Environment Variables)



Setup em ambientes Windows

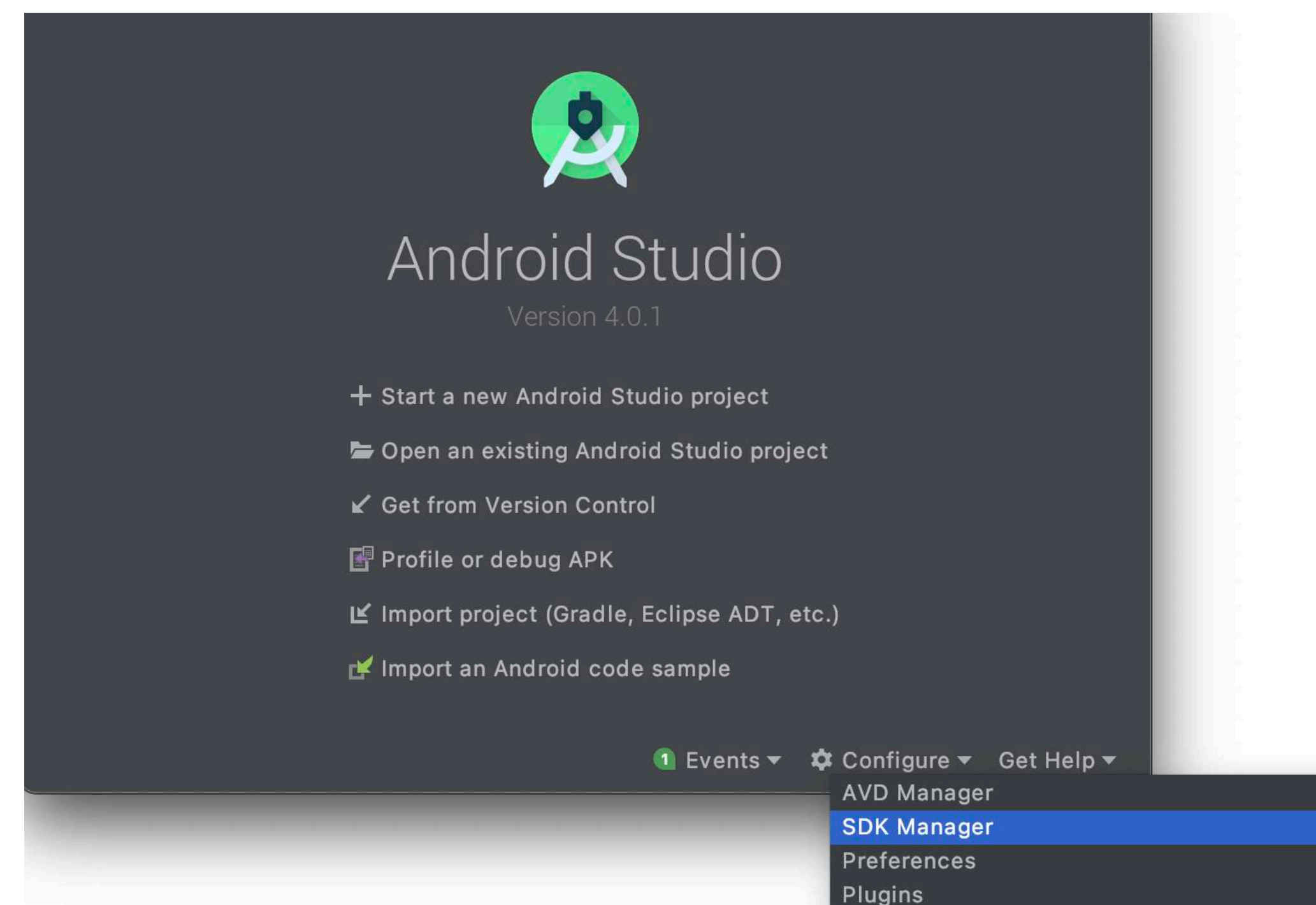
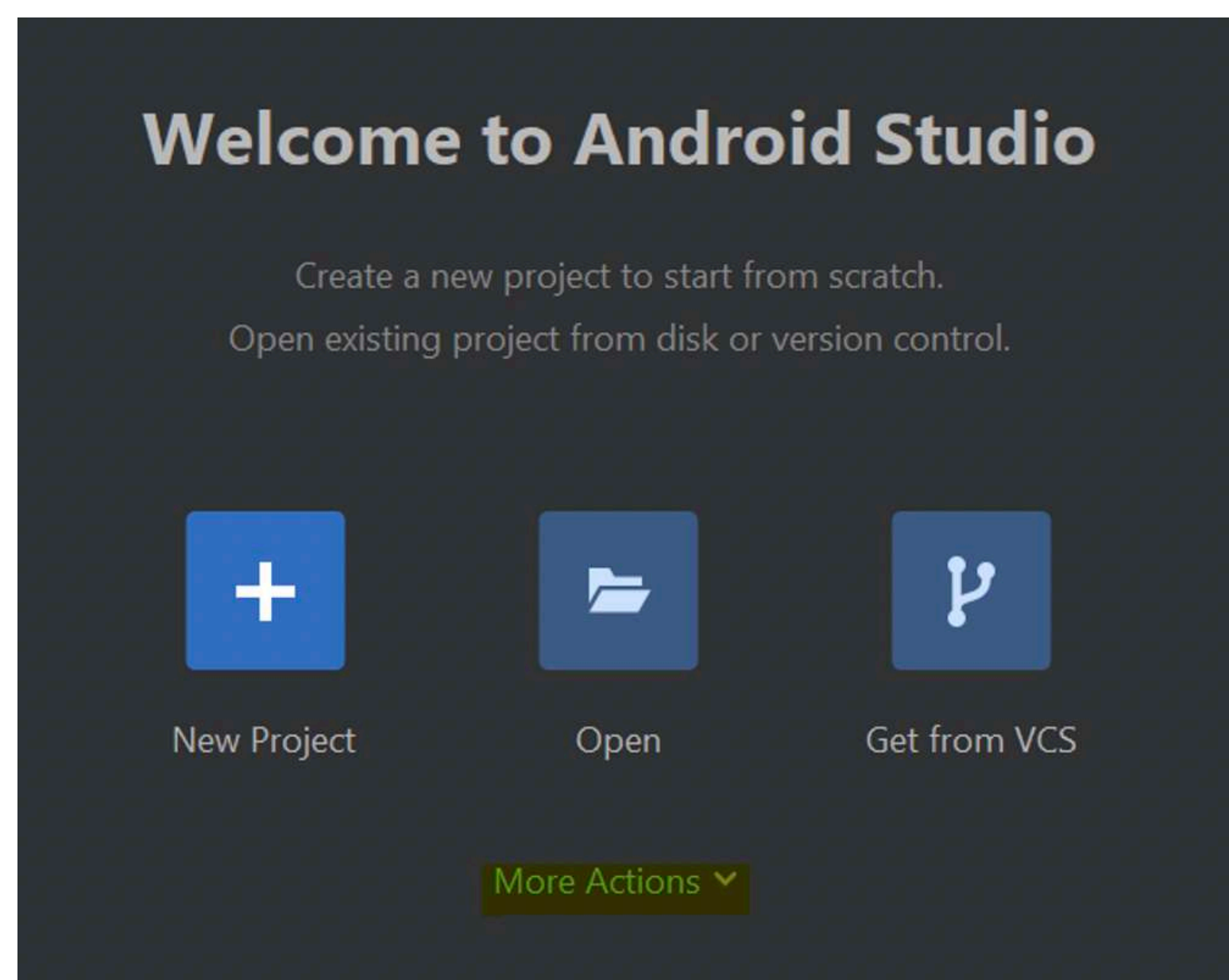
- Clique em **Novo** (New) para adicionar uma nova variável de ambiente



- Em "Nome da variável" informe o valor JAVA_HOME
- Em "Valor da variável" cole o caminho para a instalação da JDK que você copiou anteriormente
- Clique em OK para confirmar a alteração

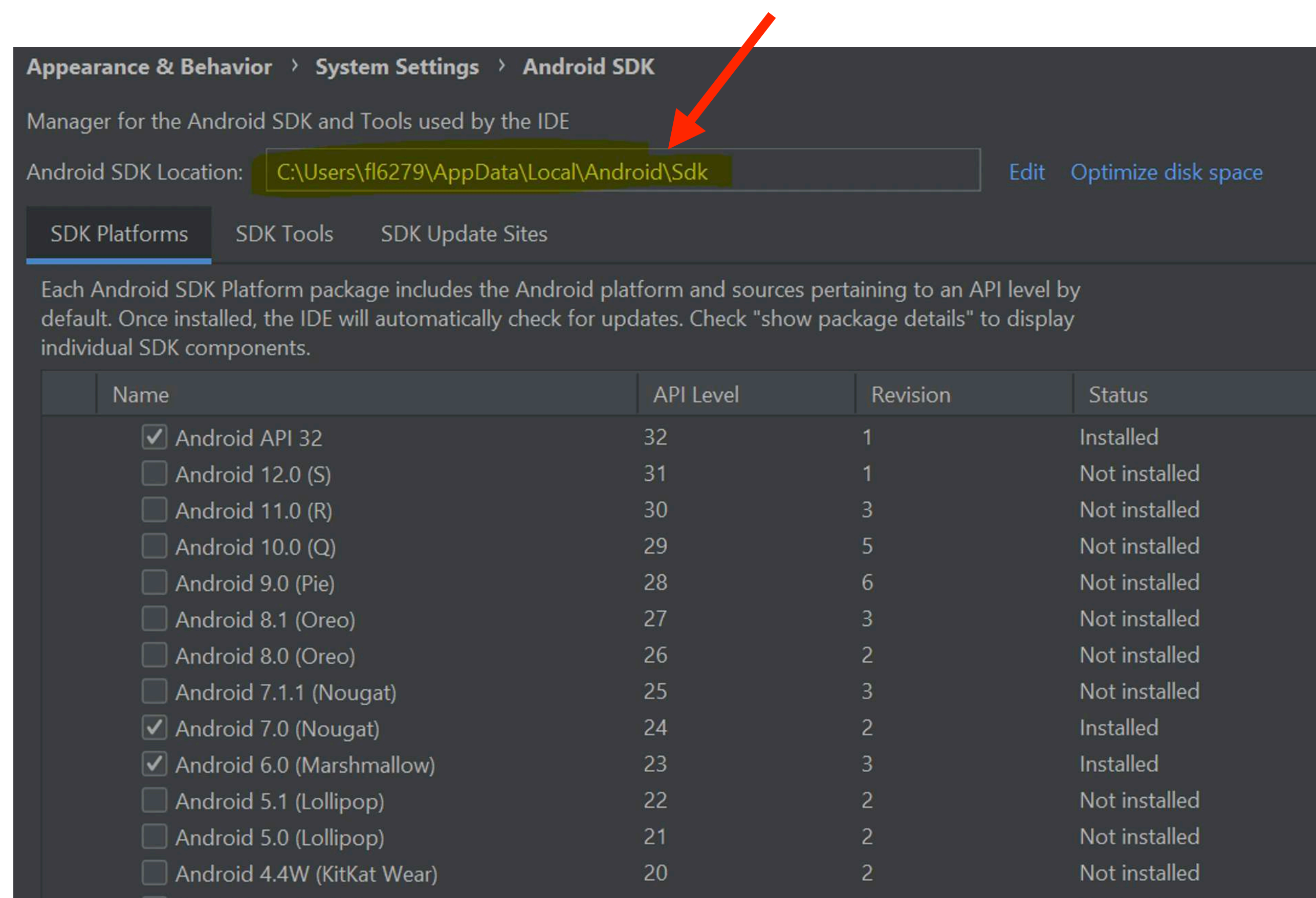
Setup em ambientes Windows

- Vamos repetir o processo para a inclusão da variável ANDROID_HOME:
 - Abra o Android Studio
 - Acesse a opção **Mais ações** (dependendo da versão pode também estar em "More actions" ou "Configure") e clique em **SDK Manager**



Setup em ambientes Windows

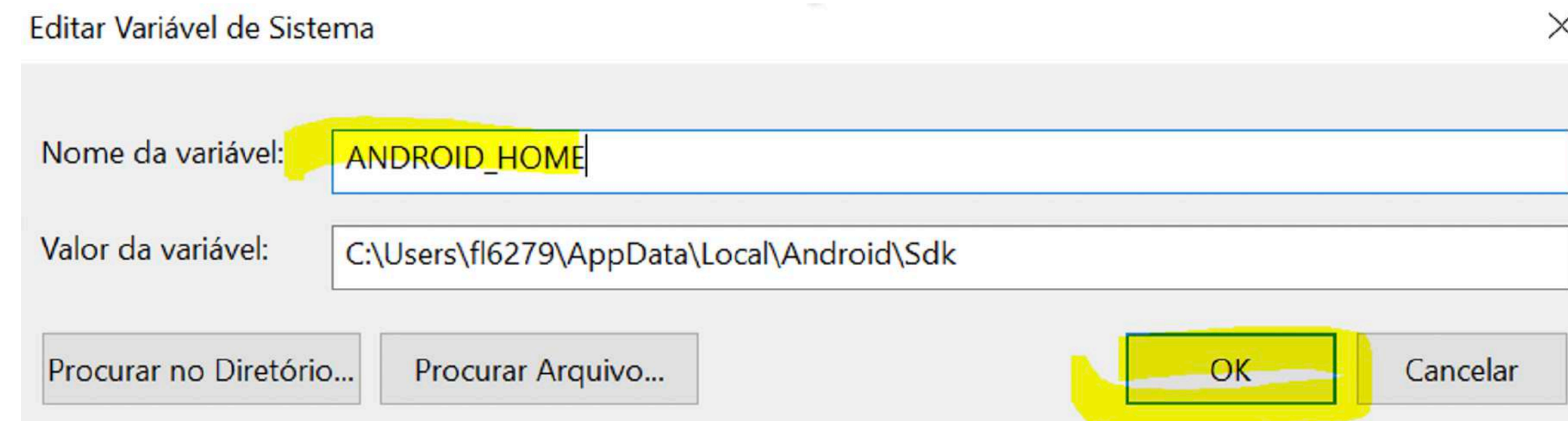
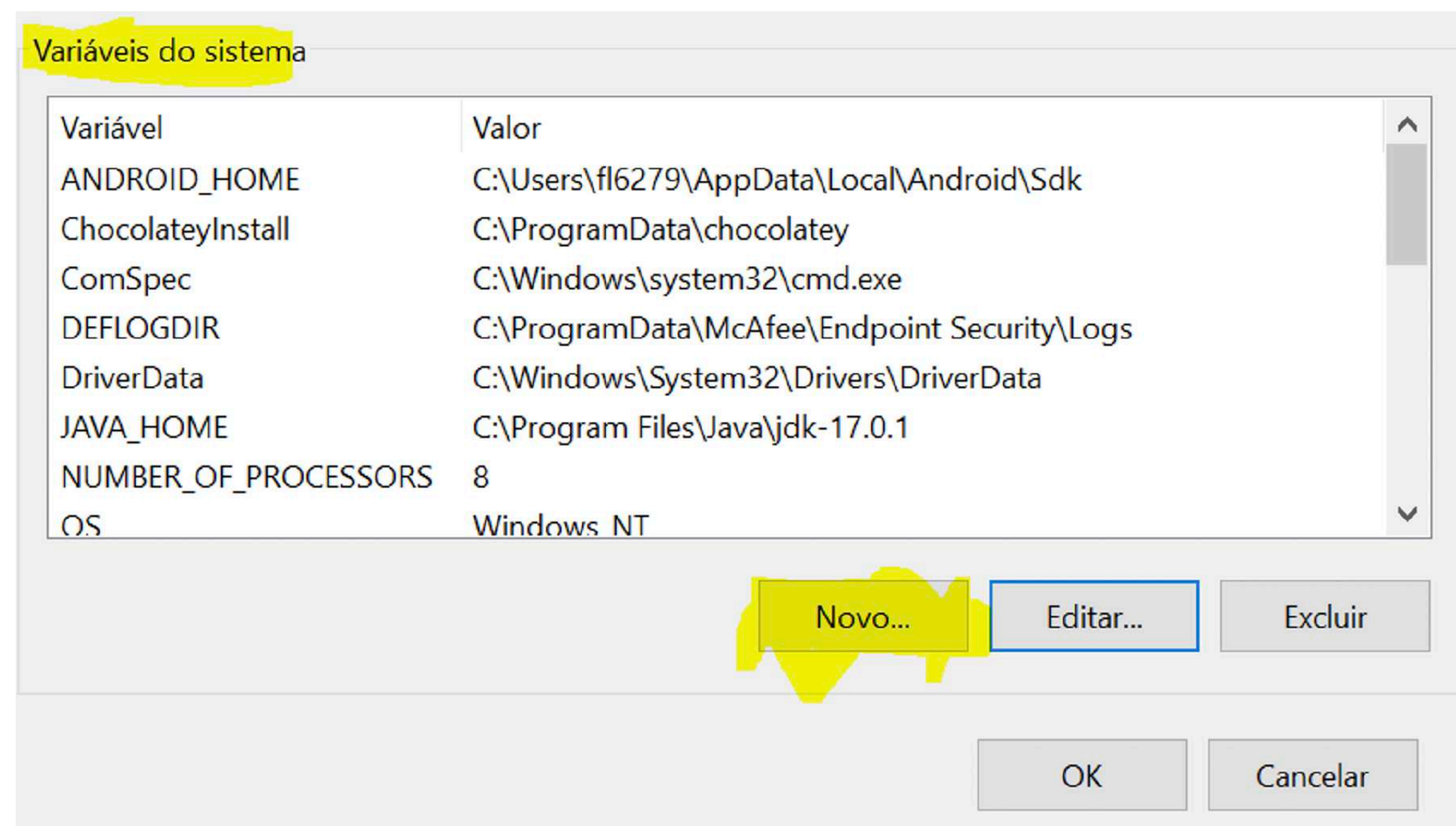
- Copie o caminho para o Android SDK



Créditos ao aluno Wadson Garbes pelos prints utilizados nesta dica de configuração

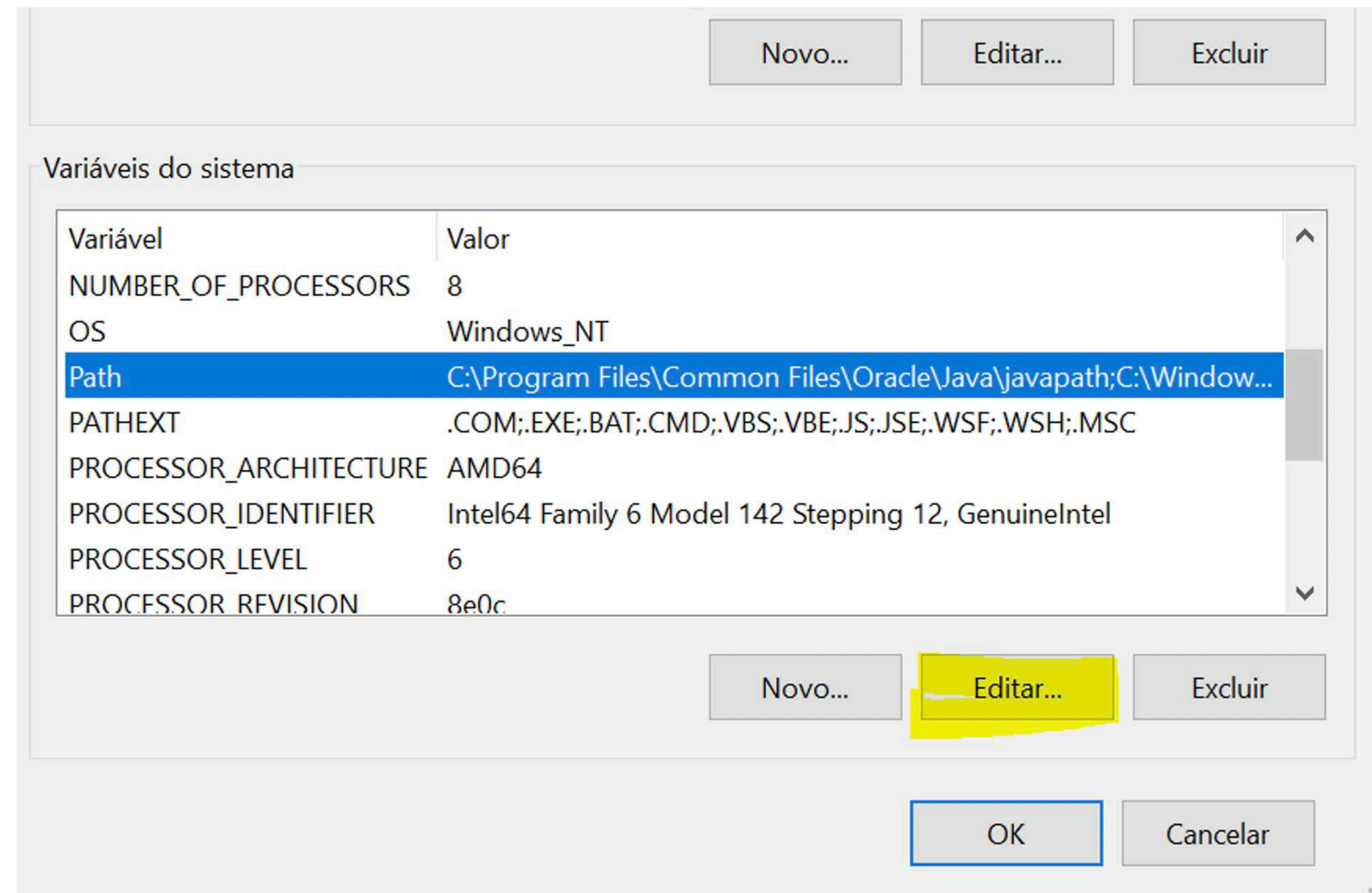
Setup em ambientes Windows

- Crie a variável ANDROID_HOME nas variáveis de ambiente do Windows



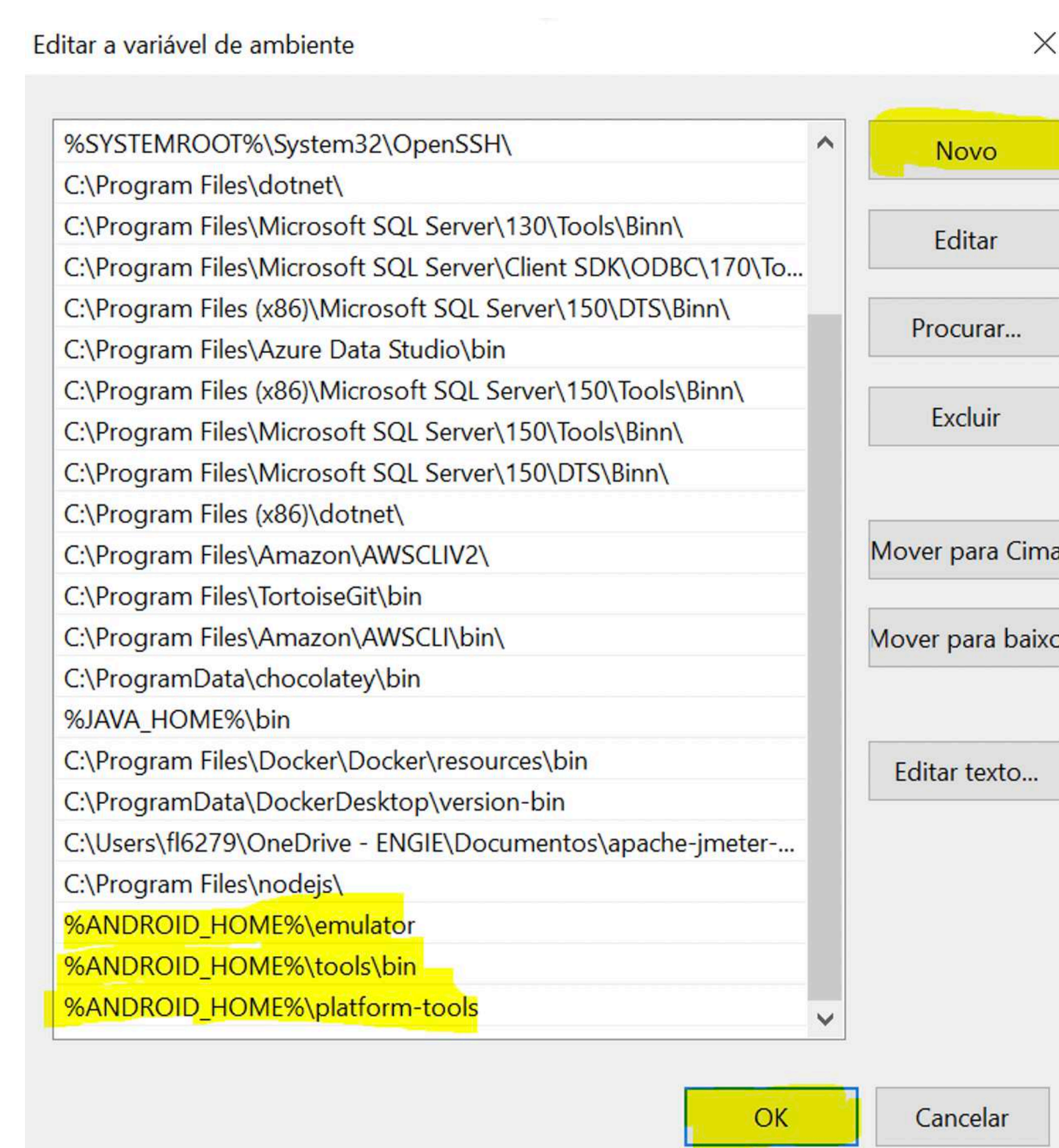
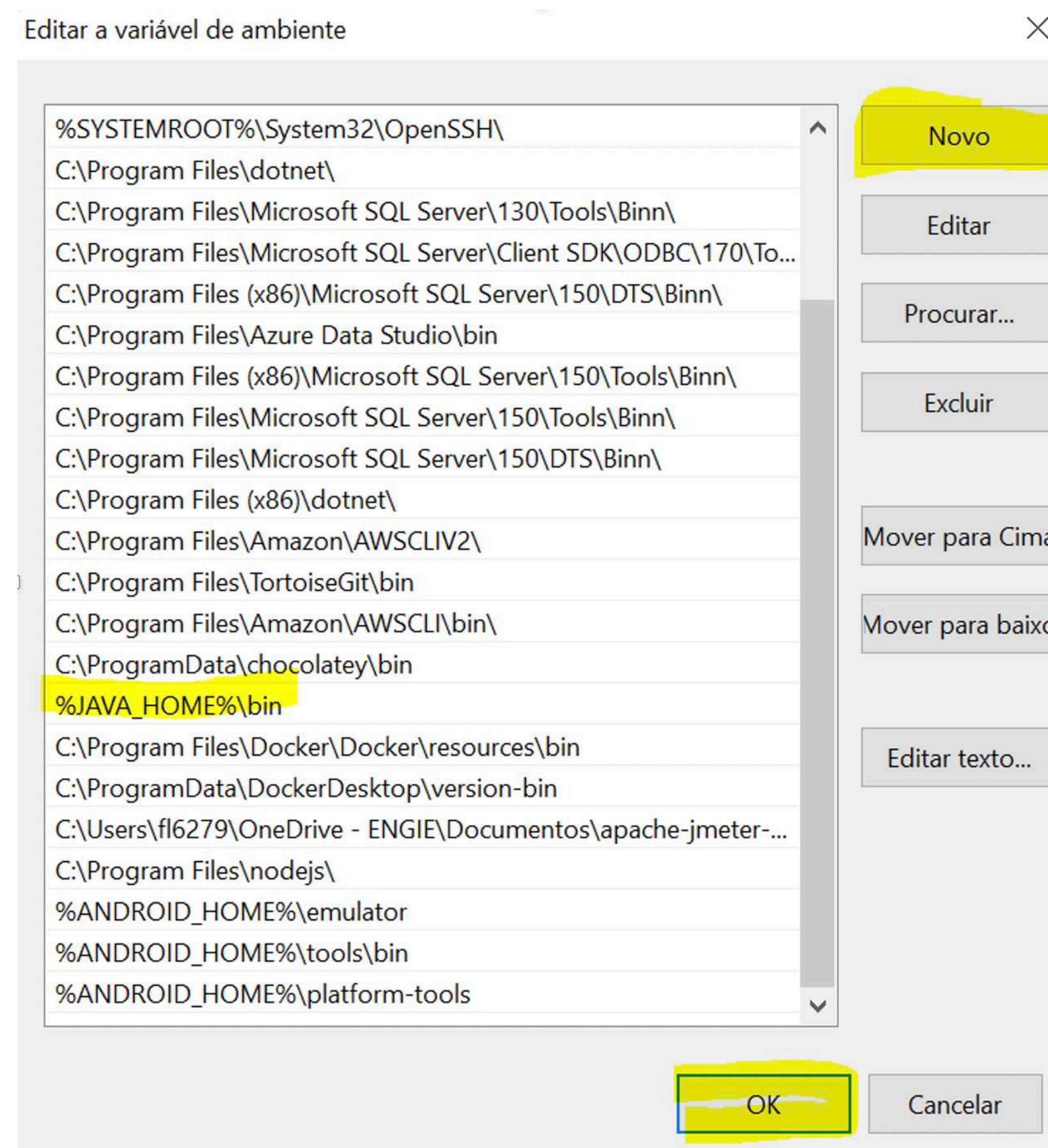
Setup em ambientes Windows

- Agora vamos incluir as aplicações que instalamos no PATH do windows, para que possamos executar via terminal
- Encontre a variável de ambiente “**Path**”, selecione e clique na opção “**Editar**”



Setup em ambientes Windows

- Inclua (ou verifique se já existe) os seguintes valores:
- %JAVA_HOME%\bin
- %ANDROID_HOME%\emulator
- %ANDROID_HOME%\tools\bin
- %ANDROID_HOME%\platform-tools
- Clique em OK para confirmar as alterações



Setup em ambientes Windows

- Não esqueça de baixar e instalar o NodeJS (caso sua máquina ainda não possua)
 - Baixe em <https://nodejs.org/en/download/>
- Abra um novo terminal
- Instale o Appium-doctor com o comando “**npm install -g appium-doctor**”
- Execute o comando **appium-doctor** para verificar se suas configurações estão ok.

```
ernestosbarbosa at MB-004032 in ~
$ appium-doctor
info AppiumDoctor Appium Doctor v.1.16.0
info AppiumDoctor ### Diagnostic for necessary dependencies starting ###
info AppiumDoctor ✓ The Node.js binary was found at: /usr/local/bin/node
info AppiumDoctor ✓ Node version is 14.15.0
WARN AppiumDoctor * Error running xcrun simctl
info AppiumDoctor ✓ Xcode Command Line Tools are installed in: /Applications/Xcode.app/Contents/Developer
info AppiumDoctor ✓ DevToolsSecurity is enabled.
info AppiumDoctor ✓ The Authorization DB is set up properly.
info AppiumDoctor ✓ Carthage was found at: /usr/local/bin/carthage. Installed version is: 0.36.0
info AppiumDoctor ✓ HOME is set to: /Users/ernestosbarbosa
info AppiumDoctor ✓ ANDROID_HOME is set to: /Users/ernestosbarbosa/Library/Android/sdk
info AppiumDoctor ✓ JAVA_HOME is set to: /Library/Java/JavaVirtualMachines/jdk-11.0.11.jdk/Contents/Home
info AppiumDoctor Checking adb, android, emulator
info AppiumDoctor 'adb' is in /Users/ernestosbarbosa/Library/Android/sdk/platform-tools/adb
info AppiumDoctor 'android' is in /Users/ernestosbarbosa/Library/Android/sdk/tools/android
info AppiumDoctor 'emulator' is in /Users/ernestosbarbosa/Library/Android/sdk/emulator/emulator
info AppiumDoctor ✓ adb, android, emulator exist: /Users/ernestosbarbosa/Library/Android/sdk
info AppiumDoctor ✓ 'bin' subfolder exists under '/Library/Java/JavaVirtualMachines/jdk-11.0.11.jdk/Contents/Home'
info AppiumDoctor ### Diagnostic for necessary dependencies completed, one fix needed. ###
info AppiumDoctor ### Diagnostic for optional dependencies starting ###
info AppiumDoctor ✓ opencv4nodejs is installed at: /Users/ernestosbarbosa/.npm-global/lib. Installed version is: 5.5.0
```




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