



# Prelude of

Introduction to Mobile Application - Android Programming on Corona SDK

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# Are you ready !?

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To be continued....

# Before capturing Pokemon, what you need to do:

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**Corona SDK**

1. Download this



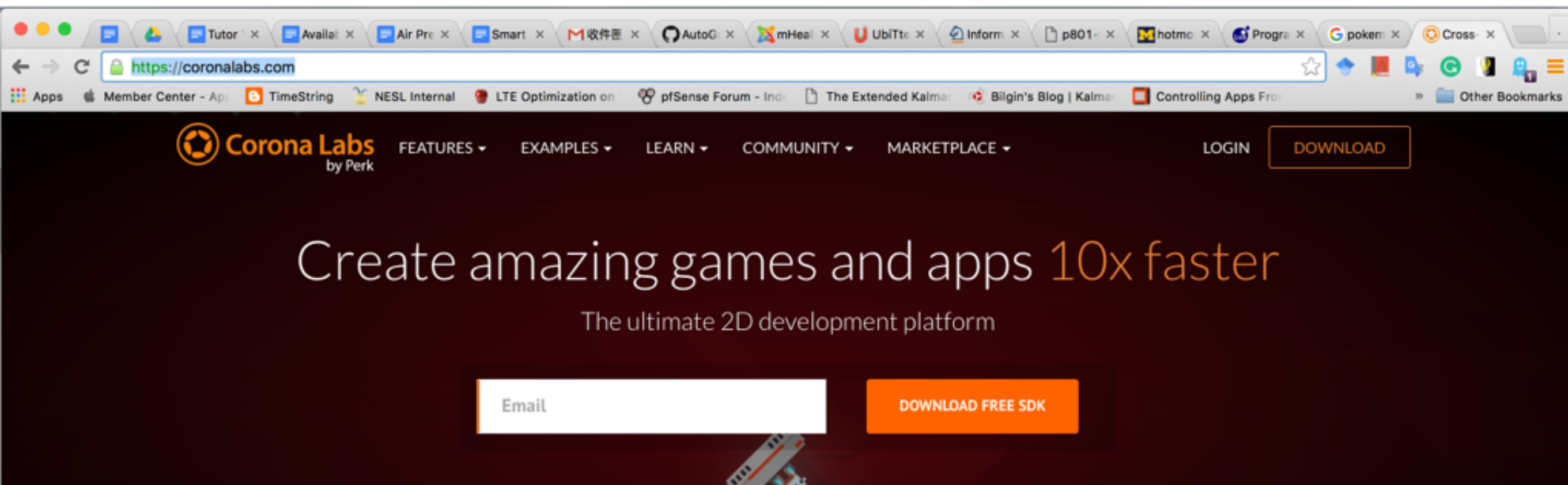
2. Download this



3. And download this

# 1. Corona SDK

- 1. Go to <https://coronalabs.com/> , you will see

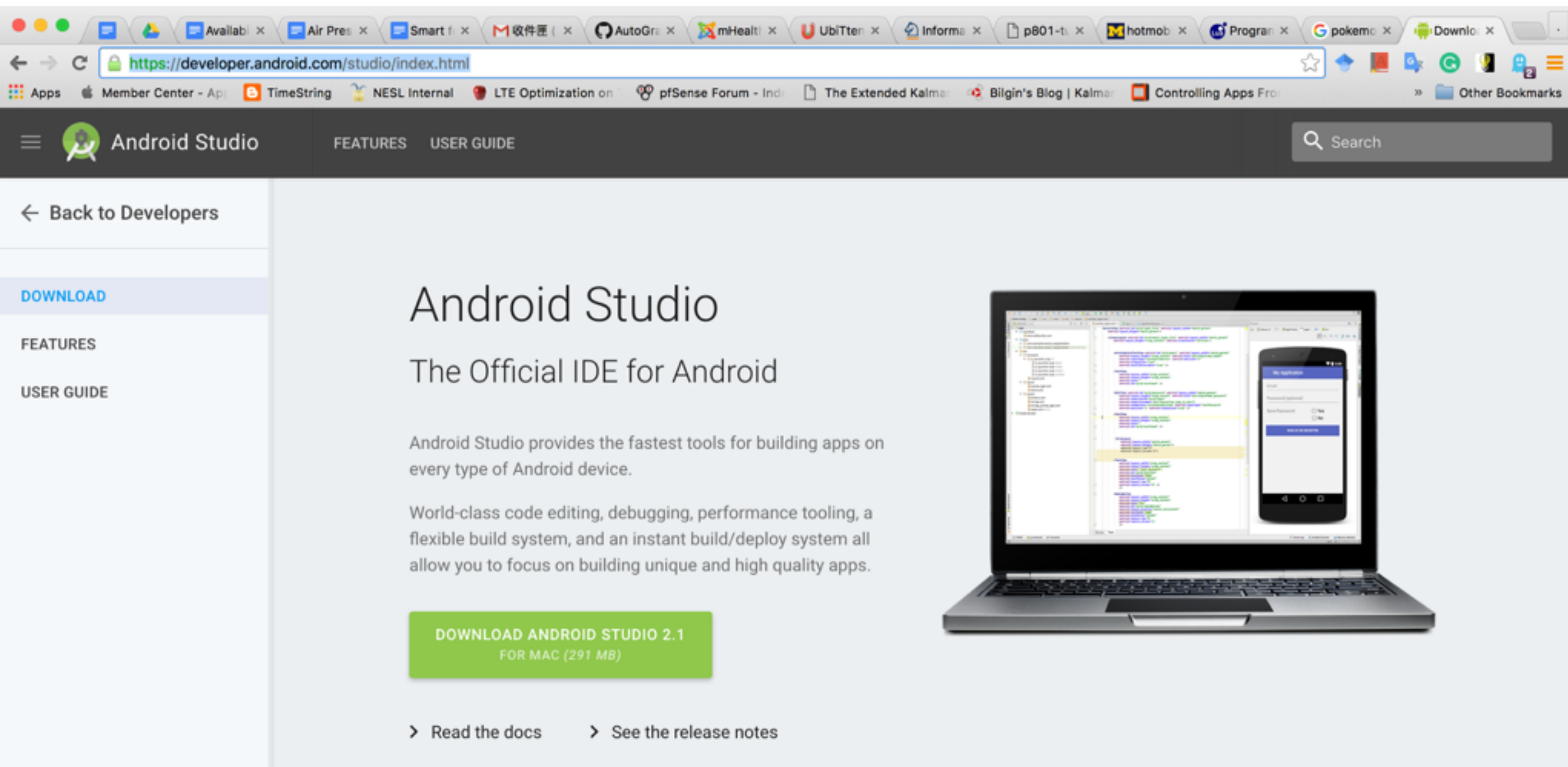


- 2. See the download? Click it!
- 3. It seems before you download, you have to register an account
- 4. Of course, install it!

## 2. Android Studio



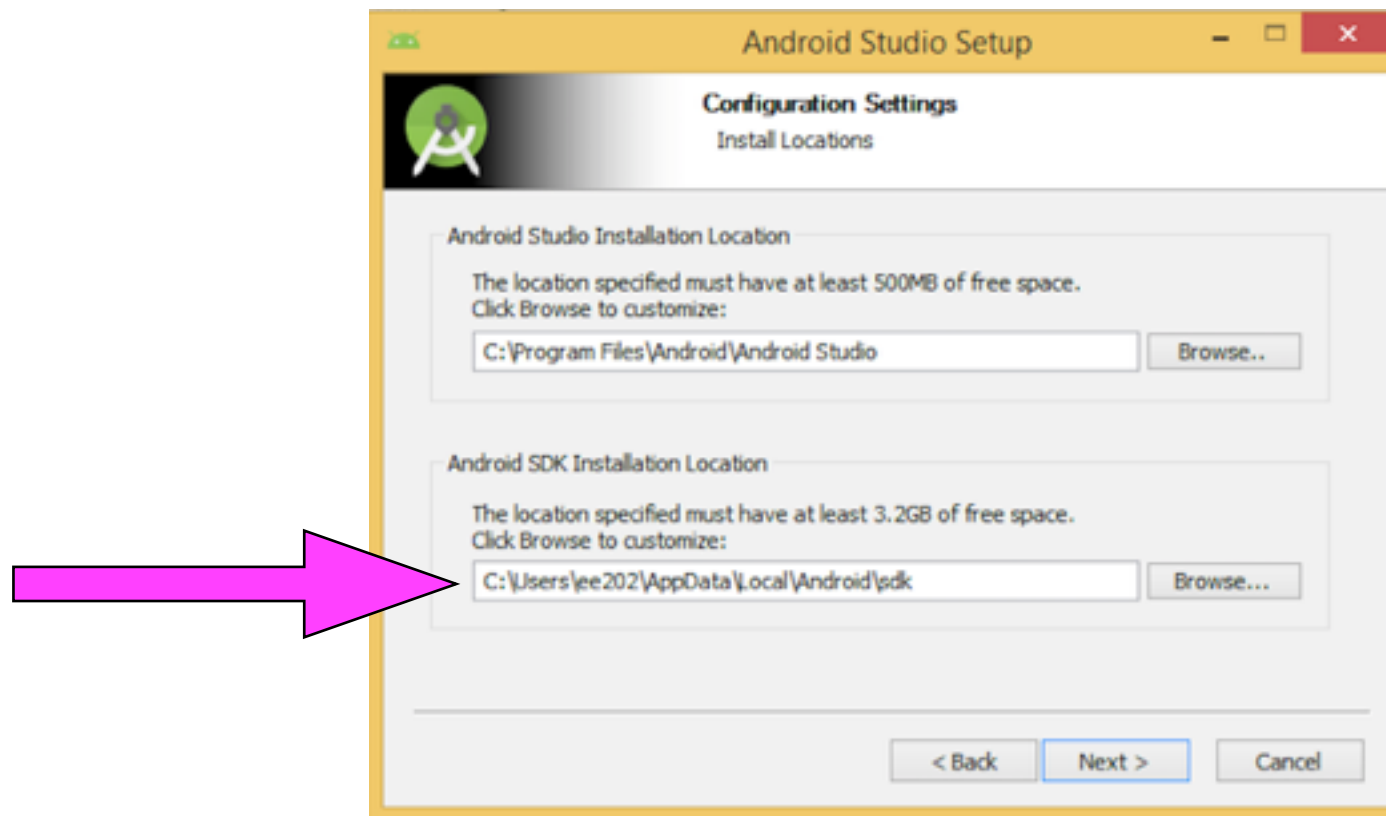
- 1. Go to <https://developer.android.com/studio/index.html> , you will see

A screenshot of the Android Studio website. The browser's address bar shows the URL "https://developer.android.com/studio/index.html". The website has a dark header with the "Android Studio" logo, navigation links for "FEATURES" and "USER GUIDE", and a search bar. On the left, there is a sidebar with a "Back to Developers" link and a menu containing "DOWNLOAD", "FEATURES", and "USER GUIDE". The main content area features the heading "Android Studio" and the subtitle "The Official IDE for Android". Below this, there is a paragraph: "Android Studio provides the fastest tools for building apps on every type of Android device." followed by another paragraph: "World-class code editing, debugging, performance tooling, a flexible build system, and an instant build/deploy system all allow you to focus on building unique and high quality apps." A prominent green button reads "DOWNLOAD ANDROID STUDIO 2.1 FOR MAC (291 MB)". At the bottom, there are two links: "> Read the docs" and "> See the release notes". To the right of the text, there is an image of a laptop displaying the Android Studio IDE interface, which includes a code editor, a file explorer, and a virtual device preview.



## 2. Android Studio (cont')

- 1. (cont') I don't have enough space, but you know what I mean, click the download button!! (And of course install it)
- 2. Hey hold on, when you install it, one of the window you'll see is probably this:



- See this box? Copy the path to somewhere else! We're going to use it later







## 3. Java

- 1. **DON'T DOWNLOAD THE LATEST VERSION!**
- 2. Let me direct the correct link:  
<http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html>  
It's a little bit long, but I guess you can copy-n-paste right ;)
- 3. So, scroll down a little bit, you should see

Visit Java CPU and PSU Releases Explained for details.

**Looking for JDK on ARM?**  
JDK 7 for ARM downloads have moved to the JDK 7 for ARM download page.

**Java SE Development Kit 7u79**  
You must accept the [Oracle Binary Code License Agreement for Java SE](#) to download this software.

☐ Accept License Agreement ☒ Decline License Agreement

Product / File Description	File Size	Download
Linux x86	130.4 MB	<a href="#">jdk-7u79-linux-i586.rpm</a>
Linux x86	147.6 MB	<a href="#">jdk-7u79-linux-i586.tar.gz</a>
Linux x64	131.69 MB	<a href="#">jdk-7u79-linux-x64.rpm</a>
Linux x64	146.4 MB	<a href="#">jdk-7u79-linux-x64.tar.gz</a>
Mac OS X x64	196.89 MB	<a href="#">jdk-7u79-macosx-x64.dmg</a>
Solaris x86 (SVR4 package)	140.79 MB	<a href="#">jdk-7u79-solaris-i586.tar.Z</a>
Solaris x86	96.66 MB	<a href="#">jdk-7u79-solaris-i586.tar.gz</a>
Solaris x64 (SVR4 package)	24.67 MB	<a href="#">jdk-7u79-solaris-x64.tar.Z</a>
Solaris x64	16.38 MB	<a href="#">jdk-7u79-solaris-x64.tar.gz</a>
Solaris SPARC (SVR4 package)	140 MB	<a href="#">jdk-7u79-solaris-sparc.tar.Z</a>
Solaris SPARC	99.4 MB	<a href="#">jdk-7u79-solaris-sparc.tar.gz</a>
Solaris SPARC 64-bit (SVR4 package)	24 MB	<a href="#">jdk-7u79-solaris-sparcv9.tar.Z</a>
Solaris SPARC 64-bit	18.4 MB	<a href="#">jdk-7u79-solaris-sparcv9.tar.gz</a>
Windows x86	138.31 MB	<a href="#">jdk-7u79-windows-i586.exe</a>
Windows x64	140.06 MB	<a href="#">jdk-7u79-windows-x64.exe</a>

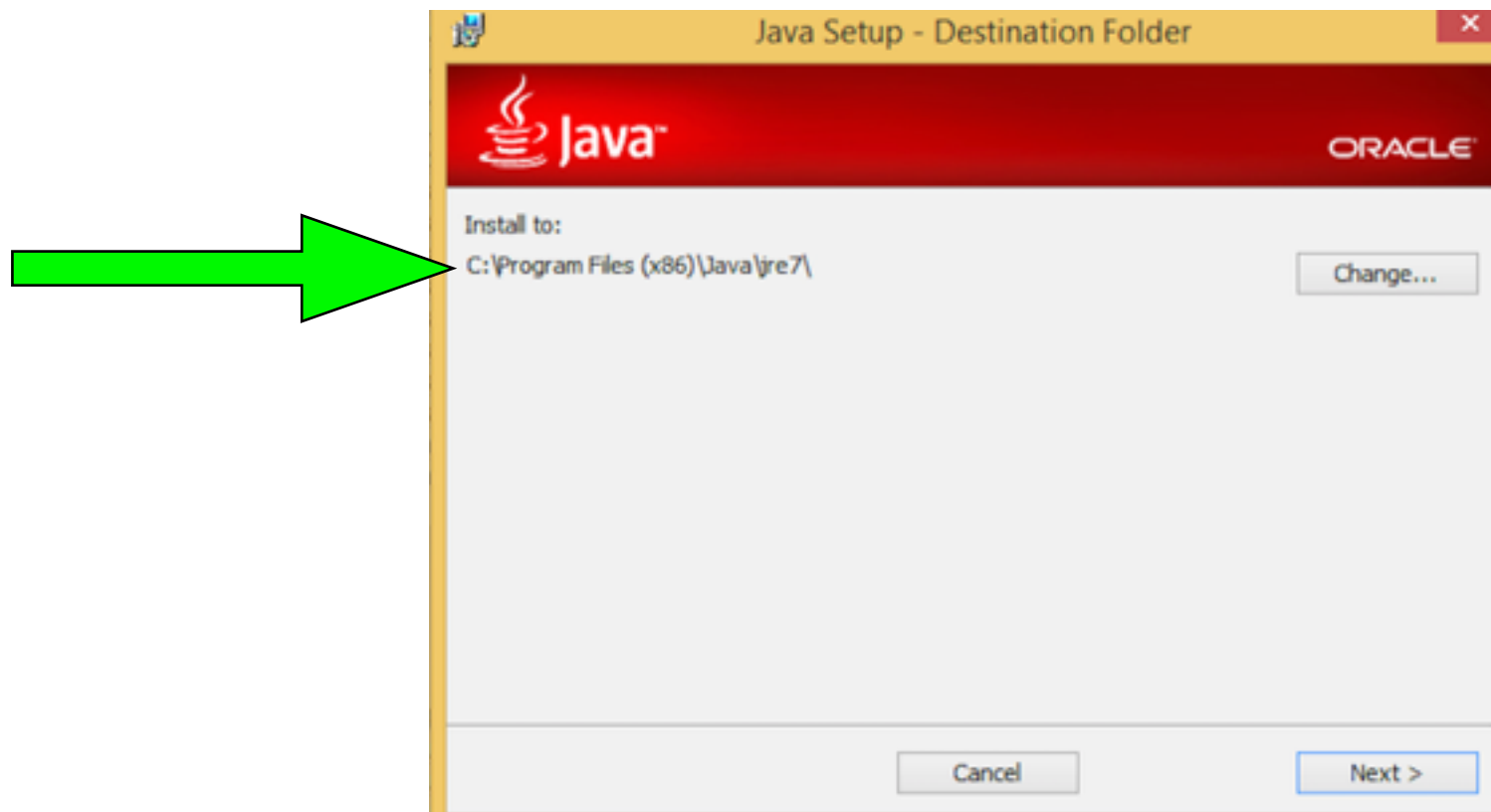
**Java SE Development Kit 7u79 Demos and Samples Downloads**

Just this section!  
Don't touch others!

## 3. Java

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- 4. Installation time!
- 5. Hold on again: the second time to take note

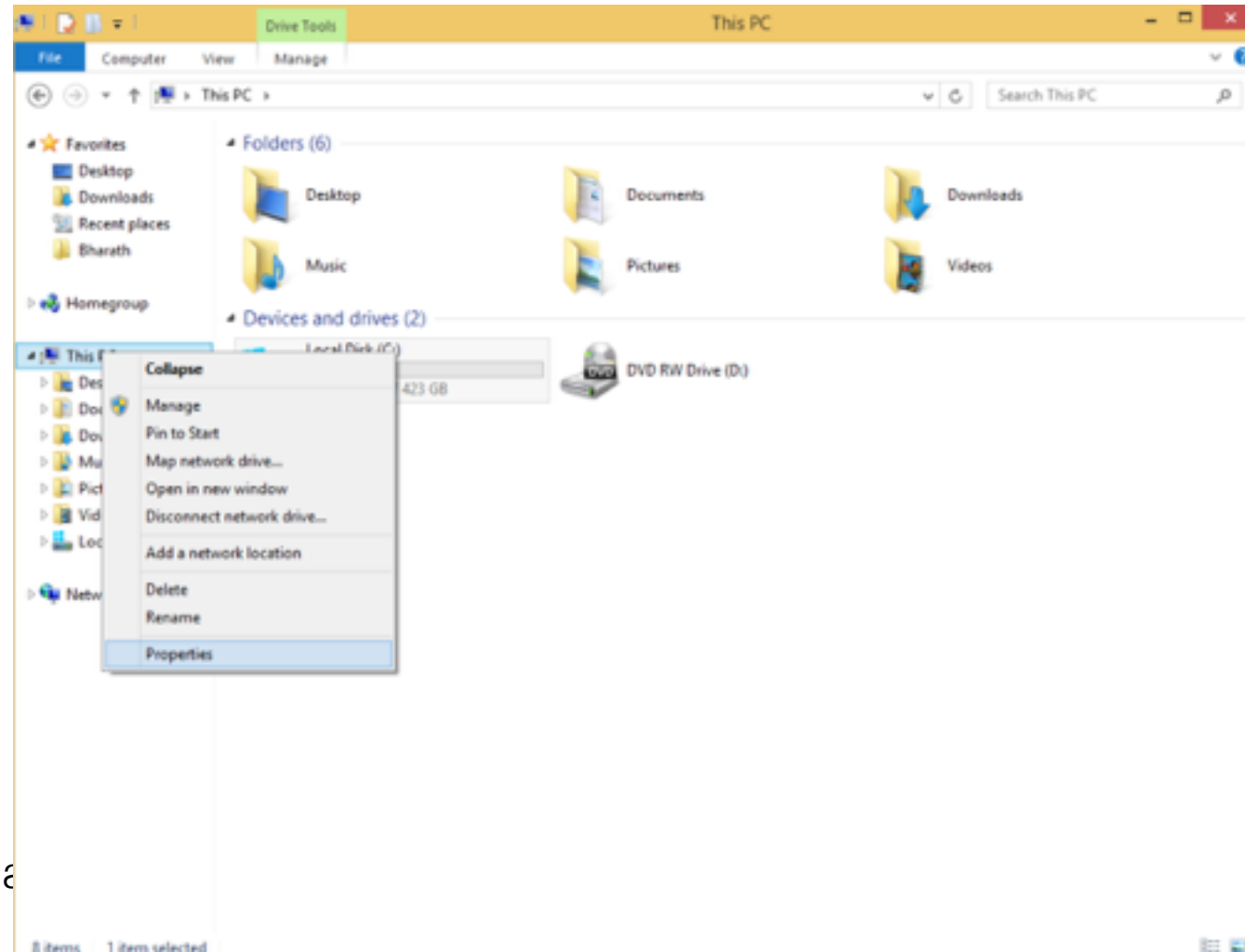




## 4. Real hacking (yay!) - Environment variable

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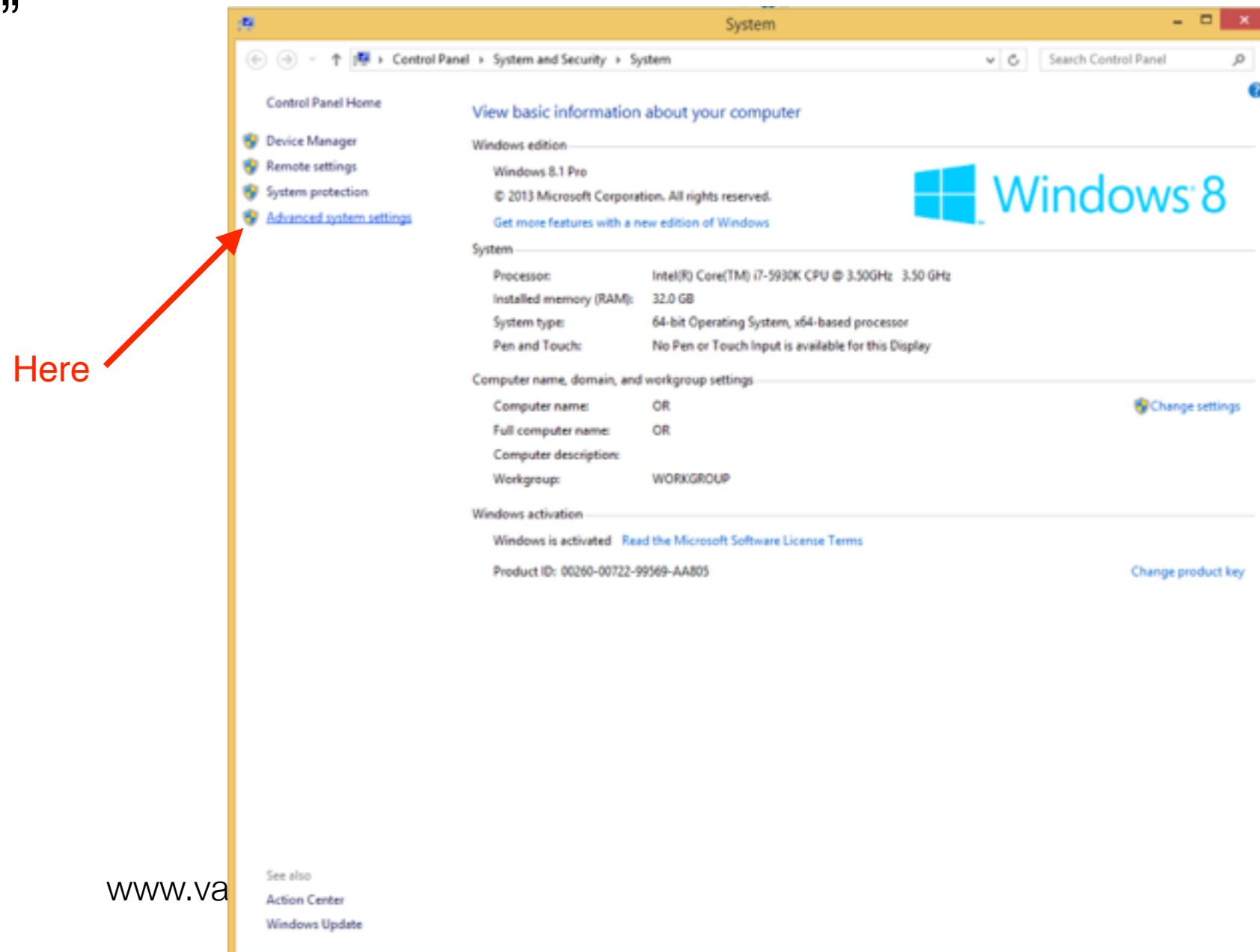
- **Windows users first (if you're using Mac/Linux, go to the next slides)**
- 1. The most rare Pokemon is in the deepest cave, we need to find it out!
- 2. Click “This computer” icon
- 3. See the window on the right?  
Right click “This computer” and click “Properties” in the menu



## 4. Real hacking (yay!) - Environment variable

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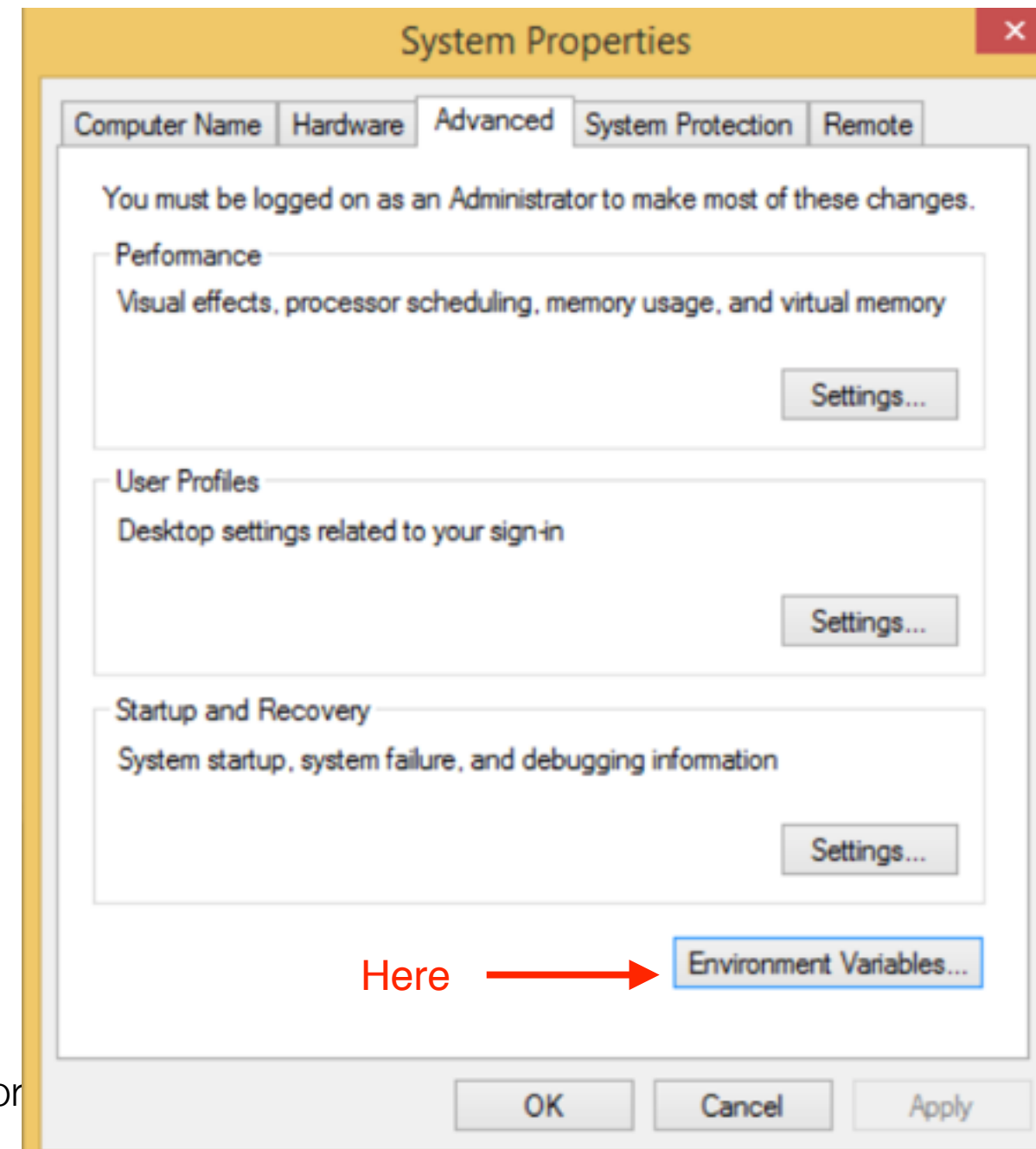
- **Windows users first (if you're using Mac/Linux, go to the next slides)**
- 4. See this window? Click “Advanced system settings”



## 4. Real hacking (yay!) - Environment variable

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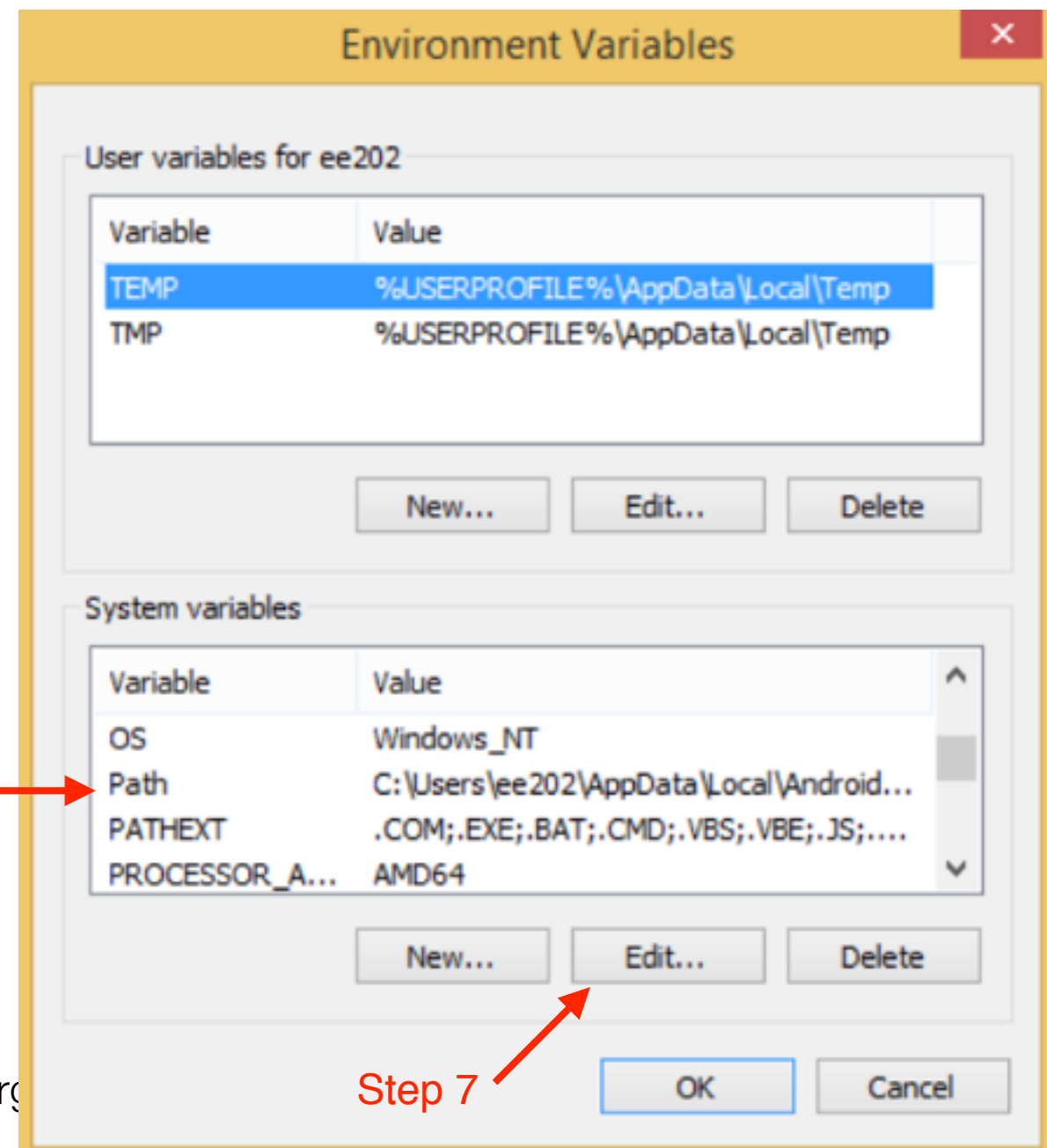
- **Windows users first (if you're using Mac/Linux, go to the next slides)**
- 5. Don't get panic! Click "Environment Variables..."



## 4. Real hacking (yay!) - Environment variable

- **Windows users first (if you're using Mac/Linux, go to the next slides)**
- 6. Prepare your Pokeball: Find "Path" variable
- 7. Click "Edit"

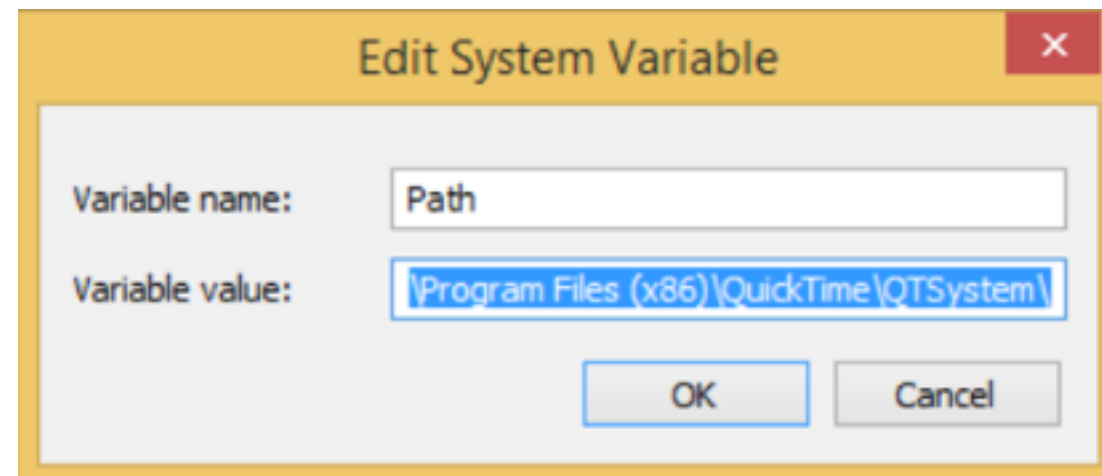
Step 6 →

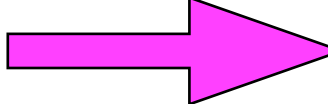
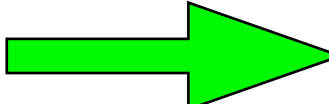


## 4. Real hacking (yay!) - Environment variable

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- **Windows users first (if you're using Mac/Linux, go to the next slides)**



- (Do you remember I told you to make two notes?)
- 8. Now it's real dangerous! DON'T DELETE ANYTHING! Move your cursor to the very end, put a ";" and then  and then "\\platform-tools\\" and then  and then "\\bin\\", that's it!
- For example, I'm going to append ";C:\\Users\\ee202\\...\\sdk\\platform-tools\\;C:\\Program Files (x86)\\Java\\jre7\\bin"

## 4. Real hacking (yay!) - Environment variable

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- **Windows users first (if you're using Mac/Linux, go to the next slides)**
- 9. Make sure you've captured the Pokemon: Open cmd (windows key, type cmd, enter), type "java" and "adb"
- If it splits a bunch of messages, it means you success!
- If it shows command unfound, QQ



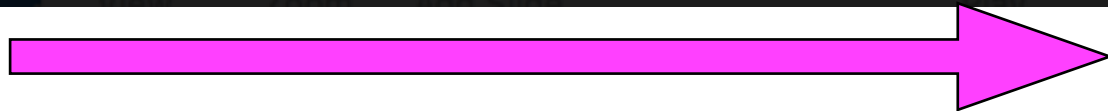
## 4. Real hacking (yay!) - Environment variable

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- **Mac/Linux users now**

- 1. Open “~/ .bashrc/” (Linux) or “~/ .bash\_profile/” (Mac) from any text editor
- 2. Do you remember I told you to take notes? It’s time to use them
- 3. To the very end, type:

```
export PATH=/Users/timestring/Library/Android/Sdk/platform-tools:$PATH
```



Don't just copy! Replace the arrow to the note you take



## 4. Real hacking (yay!) - Environment variable

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- **Mac/Linux users now**
- Are you sure the Pokemon is in the Pokeball? Launch the terminal!
- 4. Type command “java” and “adb”, both of them split a bunch of messages, congratulations!
- Otherwise, QQ



## 5. Toward Pokemon Master - Sublime

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- Download this! You'll never regret



Sublime Text 3



*Send any questions to  
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