JAVA

Official site: <http://www.oracle.com/technetwork/java/javase/overview/index.html>

* Firstly, you should understand the concept of object-oriented programming (OOP):
  + A great car analogy: [How to explain OOP concepts to a non technical person?](http://programmers.stackexchange.com/questions/34584/how-to-explain-oop-concepts-to-a-non-technical-person)
  + A more detailed version: [Java Tutorial: Don’t Fear the Oop!](http://sepwww.stanford.edu/sep/jon/family/jos/oop/oop1.htm)
* Download and install [Java SE Development Kit (JDK)](http://www.oracle.com/technetwork/java/javase/downloads/index.html)
* IDE: [Eclipse](http://www.eclipse.org/downloads/) or [IntelliJ](https://www.jetbrains.com/idea/)
* [Official Java Tutorial by Oracle](http://docs.oracle.com/javase/tutorial/)

Courses

* Treehouse – [Java Basics Course](http://carlcheo.com/recommend/treehouse-java-basics-2)
* [Udemy](http://www.udemy.com/) – [Java Tutorial for Complete Beginners](http://carlcheo.com/recommend/udemy-java)
* Udemy – [Programming Java for Beginners – The Ultimate Java Tutorial](http://carlcheo.com/recommend/udemy-java-tutorial)

Tutorials (Free)

* [Eclipse And Java Video Tutorials](http://eclipsetutorial.sourceforge.net/)
* [Learn Java – Free Interactive Java Tutorial](http://www.learnjavaonline.org/)
* YouTube Videos – [Java (Beginner) Programming Tutorials](https://www.youtube.com/course?list=ECFE2CE09D83EE3E28)

Books

* [Java: A Beginner’s Guide](http://amzn.to/1JWh3K9)
* [Thinking in Java](http://amzn.to/1xDTzq6) (Get the older edition for free [here](http://www.mindview.net/Books/TIJ/))
* [Effective Java](http://amzn.to/1xEWvj9)
* After learning the basics & fundamentals: [Head First Java](http://amzn.to/1An8FOq)
* If you are serious in mastering Java: [Java The Complete Reference](http://amzn.to/1yjtCvA)
* [Think Java](http://greenteapress.com/thinkapjava/) (Free)

If you want to create Android Apps:

* Download [Android Studio and SDK Tools](http://developer.android.com/sdk/index.html)
* Official [getting started guide](http://developer.android.com/training/index.html)
* http://ir-na.amazon-adsystem.com/e/ir?t=carlcheo-20&l=as2&o=1&a=B00HN2BXUYCourses
  + Treehouse – [Build a Simple Android App](http://carlcheo.com/recommend/treehouse-build-android-app-2)
  + Udemy – [Learn Android Programming From Scratch](http://carlcheo.com/recommend/udemy-android)