**Java编程初阶**

**Course Description**

Java's unique architecture enables programmers to develop a single application that can run across multiple platforms seamlessly and reliably. Students learn to create robust console application. No prior programming experience is needed and we're going to have a lot of fun!

**Course Goals and Objectives**

* Understand Java Syntax
* Learn to write functions, loops and conditional statements with Java
* Integrate with public API

**List of Topics:**

* History of Java
* Install IntelliJ
* Install JDK 1.7+
* Introduction to programming
* Configure Intellij
* Introduction to programming, variables and constants
* Control flow with loops
* Control flow with Conditional Statements
* Logical statements
* Functions
* Parameters
* Default values and function scope
* Structures
* Classes

**Personal Information**

For questions, comments, and concerns, I can be reached in the following ways:

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**List of Well Known Public API:**

Search image and download

https://www.flickr.com/services/feeds/

Search Spotify

https://developer.spotify.com/web-api/migration-guide/

Google Location

https://maps.googleapis.com/maps/api/geocode/json?address=Oxford%20University,%20uk&sensor=false

Google book API

https://www.googleapis.com/books/v1/volumes?q=isbn:0747532699

Bing search API

http://datamarket.azure.com/dataset/bing/search

Weather report

https://openweathermap.org/api

YouTube

https://developers.google.com/apis-explorer/#p/youtube/v3/

Wikipedia

https://www.mediawiki.org/wiki/API:Main\_page

**Recommended Resource:**

<https://www.youtube.com/watch?v=Hl-zzrqQoSE>

<https://www.amazon.com/Java-Pocket-Guide-Instant-Programmers/dp/1491900865/ref=sr_1_1?ie=UTF8&qid=1480383947&sr=8-1&keywords=java+pocket+guide>