

# Unit 1

## LECTURES

What is Java?

WebDevMentors. (2014, October 25). *Introduction to Programming in Java* [Video]. YouTube.  
<https://www.youtube.com/watch?v=rdkEKdmIKvc>

Variables and Data Types in Java

WebDevMentors. (2014, November 1). *Variables and data types in Java* [Video]. YouTube.  
<https://www.youtube.com/watch?v=RnD6NJs5xoI>

What is a Class in Java?

WebDevMentors. (2014, October 31). *What is a class in Java?* [Video]. YouTube.  
<https://www.youtube.com/watch?v=pa3X5fTnBGA&list=PLVDYxb1dYhnqoD2wSMsHx0UPXTRNIh7JW&index=5>

What is an Object in Java?

WebDevMentors. (2014, October 31). *What is an object in Java?* [Video]. YouTube.  
<https://www.youtube.com/watch?v=-vSaJ6Vj4W4&list=PLVDYxb1dYhnqoD2wSMsHx0UPXTRNIh7JW&index=6>

## Reading Assignment

Eck, D. J. (2019). *Introduction to programming using Java, version 8.1*. <http://math.hws.edu/javanotes> .

Read the Following:

- Chapter 1
- Chapter 2

## Supplementary Reading

Gallardo, R., Hommel, S., Kannan, S., Gordon, J., and Zakhour, S.B. (2016). *The Java tutorials*. Oracle.

Getting Started: <https://docs.oracle.com/javase/tutorial/getStarted/index.html>

Language Basics: <https://docs.oracle.com/javase/tutorial/java/nutsandbolts/index.html>

Object-oriented programming: <https://docs.oracle.com/javase/tutorial/java/concepts/index.html>

### **Online Textbook**

<https://math.hws.edu/eck/cs124/javanotes7/index.html> or

<https://math.hws.edu/eck/cs124/javanotes8/index.html>