

# Local Development Environment Part 1 Notes

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## 1 What to Expect

## 2 T.M.A - Too many acronyms

- **JDK**

- Is called **Java SE Development Kit**
- Is a set of tools specifically for developing Java SE Applications
- Is capable of creating and compiling programs

- **JRE**

- Is called **Java Runtime Environment**
- Is a minimum set of tools that allow local Java programs to execute
- Contains Java Virtual Machine, Java Class Library, and the **java** terminal command

## 3 Quiz 1

1. When talking about Java SE, what does the SE stand for?
  - A. Strict Evaluation
  - B. Something Else
  - C. String Emulation
  - D. Standard Edition

**Answer:** D

2. We use the Java SE API, which is the set of libraries we use to build applications. What does API stand for?

- A. Artificial Programmed Intelligence
- B. Application Programmer Interface
- C. Apptitude Programmed Interface

**Answer:** B

3. Please fill in the correct answer in each blank provided below.

A minimum set of tools that allow local Java programs to execute is also known as the Java \_\_\_\_ Environment

**Answer:** Runtime

4. If you are planning on developing applications locally you need only to install the JRE (Java Runtime Environment).

- A. True
- B. False

**Answer:** B

5. A grouping of tools that allow you to create software locally on your machine. This is sometimes shortened to be called devkit.

- A. SDK
- B. JVM
- C. SE

**Answer:** A

6. The extended subset of the tools used to develop Java SE applications uses the acronym JDK. What does that stand for?

- A. Java Development Kit
- B. Java Developed Kernel
- C. Just Delicious Kale
- D. Java Design Kinetics

**Answer:** A

## 4 The Java Virtual Machine

- *C* → has to compile on each machine
- *JAVA* → Can compile once and be used anywhere
  - Is possible due to **JVM**, or the **java virtual machine**