What is difference between JDK,JRE and JVM?

JDK (dev kit) –develop + compile + debug + execute + display

JRE (runtime environment) – execute + display (client-side)

JVM (virtual machine) – Converts source code into bytecode and bytecode into machine language so that it can be understood by the cpu.

What is JIT compiler?

JIT (just in time compiler)- Part of the JVM. Before JIT bytecode was converted with a method called interpretation. A line of bytecode is converted and immediately executed, then the next line was converted. System was inefficient because lines that were repeated (ie. Loops) had to be converted multiple times. JIT instead allocates these converted lines to memory. Improves runtime.

Also optimizes code to further improve runtime.

What is platform?

OS and underlying hardware

What is the main difference between Java platform and other platforms?

Java is platform independent. Code does not need to be ported to run on other operating systems because the client-side JVM (platform dependent) translates bytecode to the appropriate machine language.

What is a Runtime Environment?

Where the code runs. JVM, PC, web, Raspberry PI, text editor, etc.

in "public static void main(String args[])" what is args[] and how do you use it?

Parameter for optional arguments when running .class programs from the cmd. Example program:

**public** **class** **App** {

**public** **static** **void** **main**(**String**[] args) {

// **TODO** Auto-generated method stub

**for**(**String** **s**:args){

**System**.***out***.println(s);

}

}

}