Why java is popular

1. Robust
2. Platform independent
3. Lightweight
4. No pointers => addresses
5. OOPs concepts / principles
6. Multithreaded
7. Distributed environment
8. Scalable
9. Secured

Compilers and interpreters?

Compiler : check the complete code for syntax errors and if none then converts to some intermediate format

Hello.java => compiler => Hello.class (bytecode)

Interpreter -> read the code(.class) line by line and execute them to machine executable

JDK -> java dev kit [ comes up with the java libraries and all the excutable ]

JRE -> java runtime env [ provides with environment for java applications to execute and manage all java applications running]

JVM -> java virtual machine [ 1 instance of jvm per application ]

Packages : group of similar kind of classes

1. Package names should all be small. And it is the 1st statement in the file except comments
2. Class names every word should always start with uppercase