JVM, JDK, JRE Block Diagram - Exam Ready

```
JDK (Java |
| Development Kit) |
|-----
| - javac (compiler) |
| - java (JVM launcher) |
| - javadoc, jar, jdb |
    JRE (Java
| Runtime Environment)|
|----|
| - JVM
| - Core Libraries |
    JVM (Java
| Virtual Machine)
|-----|
| - Class Loader |
| - Bytecode Verifier |
| - Interpreter
| - JIT Compiler
| Machine Code |
| (Executed by CPU) |
```

Explanation:

- 1. **JDK** → Full development kit (compile + run + tools)
- 2. **JRE** → Runtime environment (JVM + libraries)
- 3. **JVM** → Engine that executes bytecode (Interpreter + JIT compiler)

4. **Machine Code** \rightarrow Final code executed by CPU