Q. Explain the architecture of Java ?

```
┌─────────────────┐
│   Source Code   │
└─────────────────┘
         │
         ▼
┌─────────────────┐
│  Java Compiler  │
└─────────────────┘
         │
         ▼
┌─────────────────┐      ┌───────┐      ┌──────────────┐
│    Byte code    │ ───▶ │  JVM  │ ───▶ │  Operating   │
│                 │      │       │ ◀─── │   system     │
└─────────────────┘      └───────┘      └──────────────┘
```
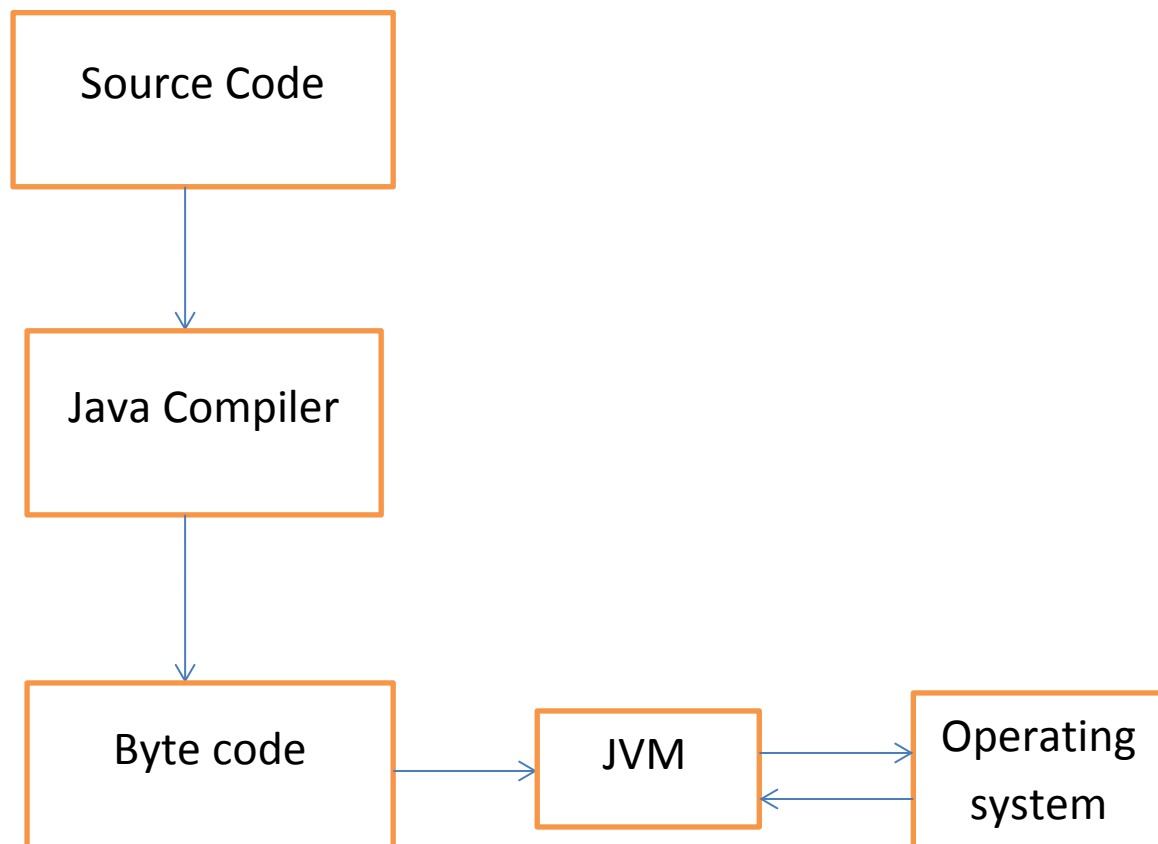
:- Architecture of Java

1. Source code:- Program written in human understandable language which will be executed in the end and produce a desirable output.
2. Java compiler:- Java compiler compiles the source code into byte code .
3. JVM:- Java virtual machine interprets byte code into machine language which can be directly executed by the machine .
4. Operating system:- Machine in which the java programs are run.