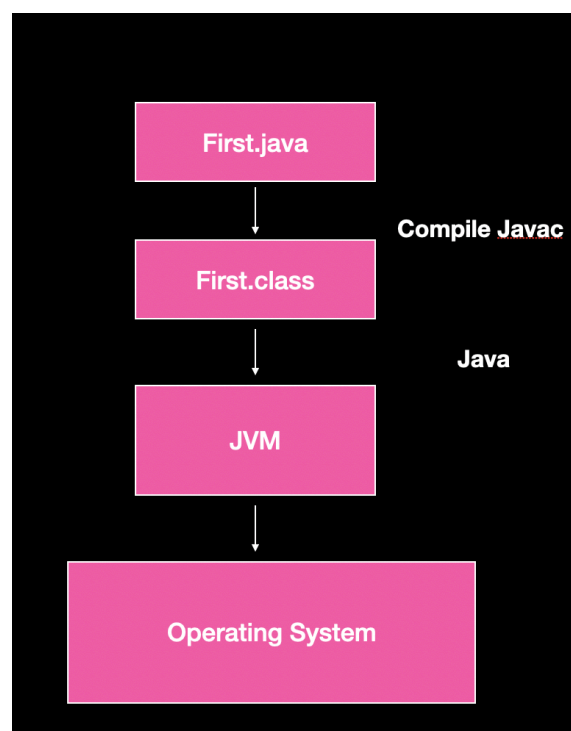


Platform Independent

- Java is platform independent language
- Java compiler will convert source code into byte code although this byte code is not executable but it is a error free program
- To execute this java program we call a JVM (java virtual machine) and ask them to execute this file
- This virtual machine will have an interpreter or JIT Compiler that will convert this byte code into machine code and get it executed on the hardware
- JVM cannot directly interact with the hardware , it needs to interact via a software



How java is platform independent

- All the bytes codes first interact with JVM , as it is the source which converts the source code into the machine code of java .
- As the byte code is same it can run on various operation system and produce the same result provided that it has a JVM hence Java is platform independent
- Therefore once you compile a java code you can run it anywhere

