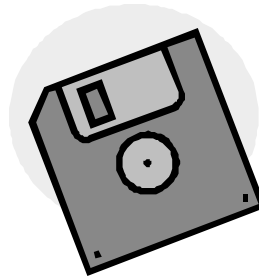
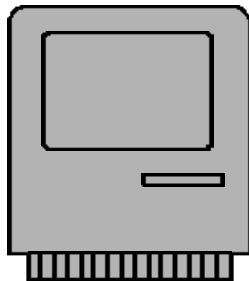
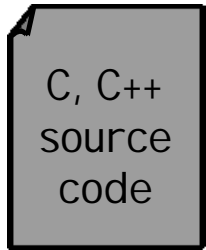


Introduction to the Java Development Kit

- Platform dependent Native Compiled Code
- Platform independent Java bytecode
- JDK 1.2 on Solaris
- Setting up the environment for JDK 1.2

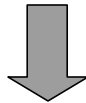




myApplication.cpp
source code (text file)



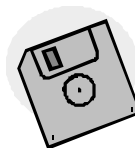
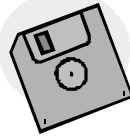
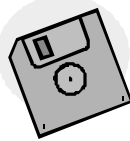
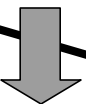
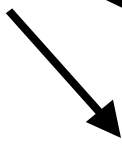
Compiled Code is
platform (processor)
dependent



Native Compiler

Native Compiler

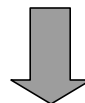
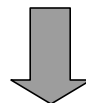
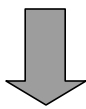
Native Compiler



myApplication.o
Native instructions for the
specific processor

myApplication.o
Native instructions for the
specific processor

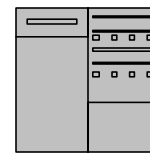
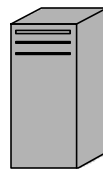
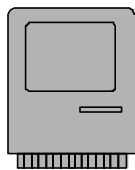
myApplication.o
Native instructions for the
specific processor

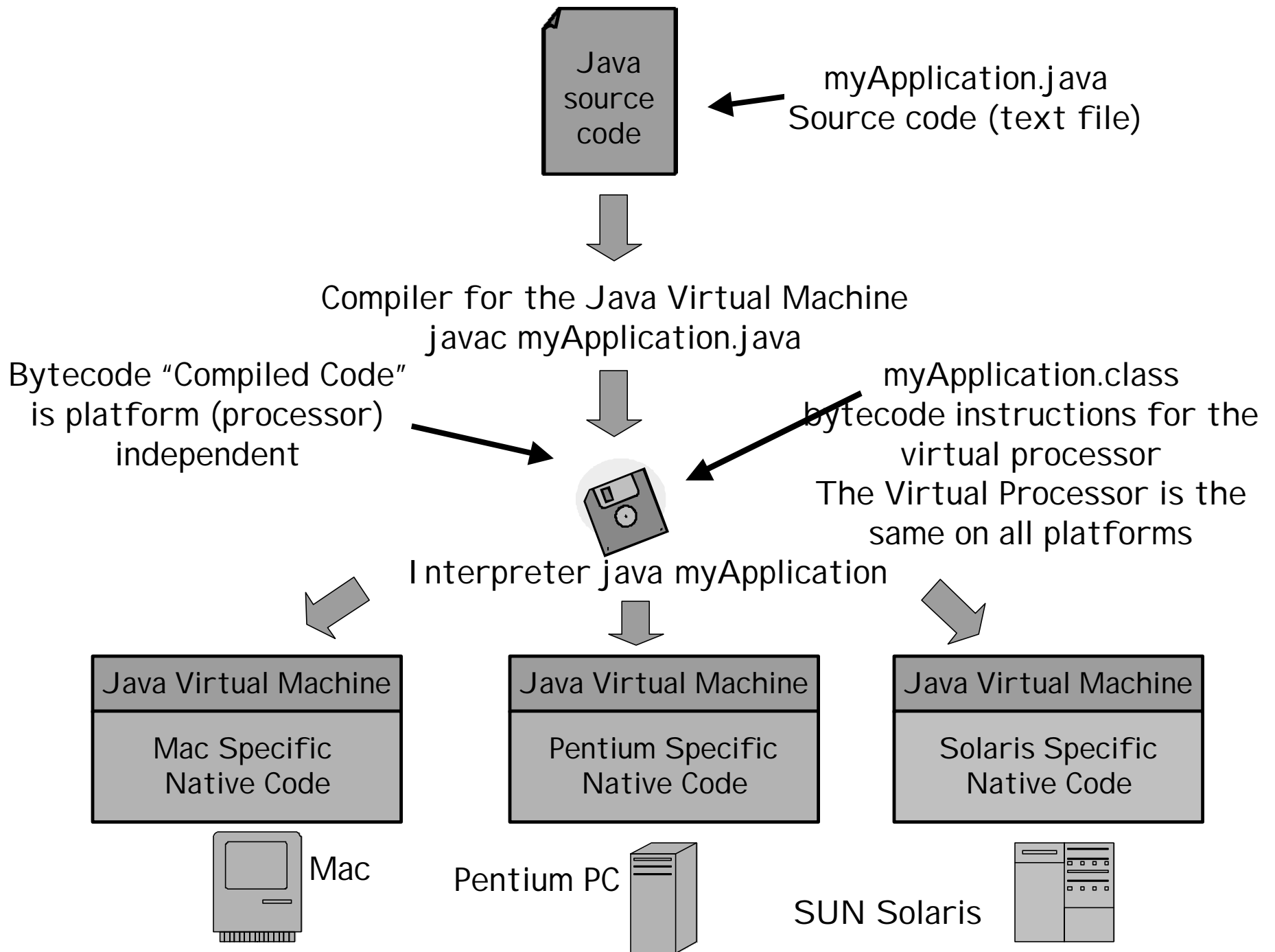


Mac

Pentium PC

SUN Solaris





JDK (Java Development Kit) 1.2 on Solaris

/usr/local/jdk1.2

bin

appletviewer, jar, java, javac, javadoc, ...

demo

docs

index.html, ...

include

lib

jre

Java Runtime Environment

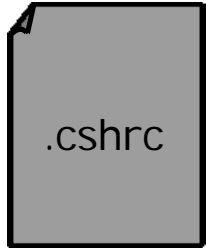
bin

java, ...

lib

jre is the minimal set needed to run a Java application, does not contain tools like javac to develop an application

Setting the right environment for JDK 1.2 on Solaris



```
setenv PATH /usr/local/jdk1.2/bin:${PATH}
setenv CLASSPATH .:${HOME}/projects
```

PATH is needed by the OS to find executables like javac, java etc.

CLASSPATH is needed by the java interpreter to find the classes (bytecode) to dynamically load into the Java Virtual Machine

