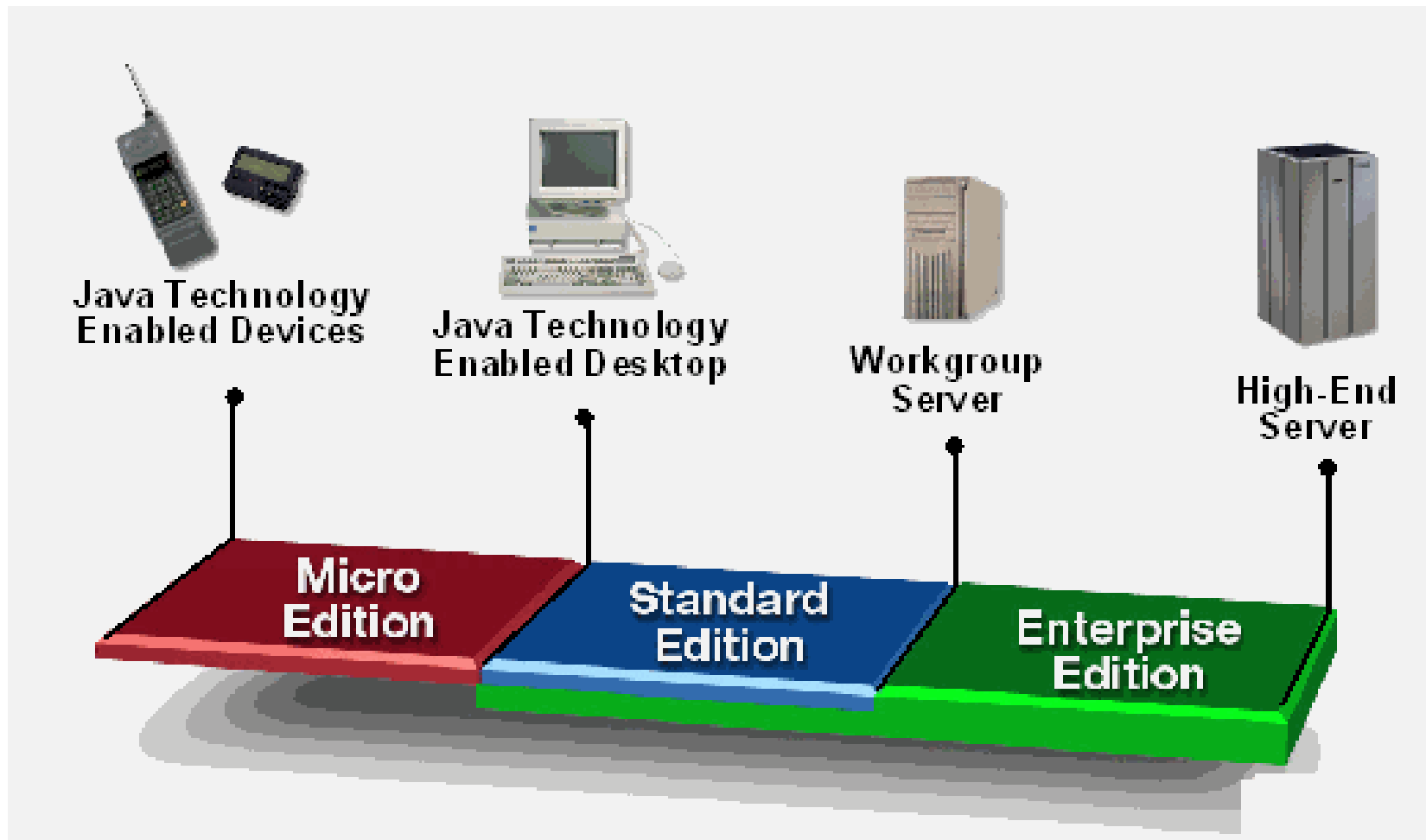




- **Java** is an object-oriented applications programming language developed by Sun Microsystems in the early 1990s.
- **Java** language is currently owned by Oracle Corporation
- **Java** was earlier known as “Oak”.
- **Java** itself derives much of its syntax from C and C++ but has a simpler object model and fewer low-level facilities.

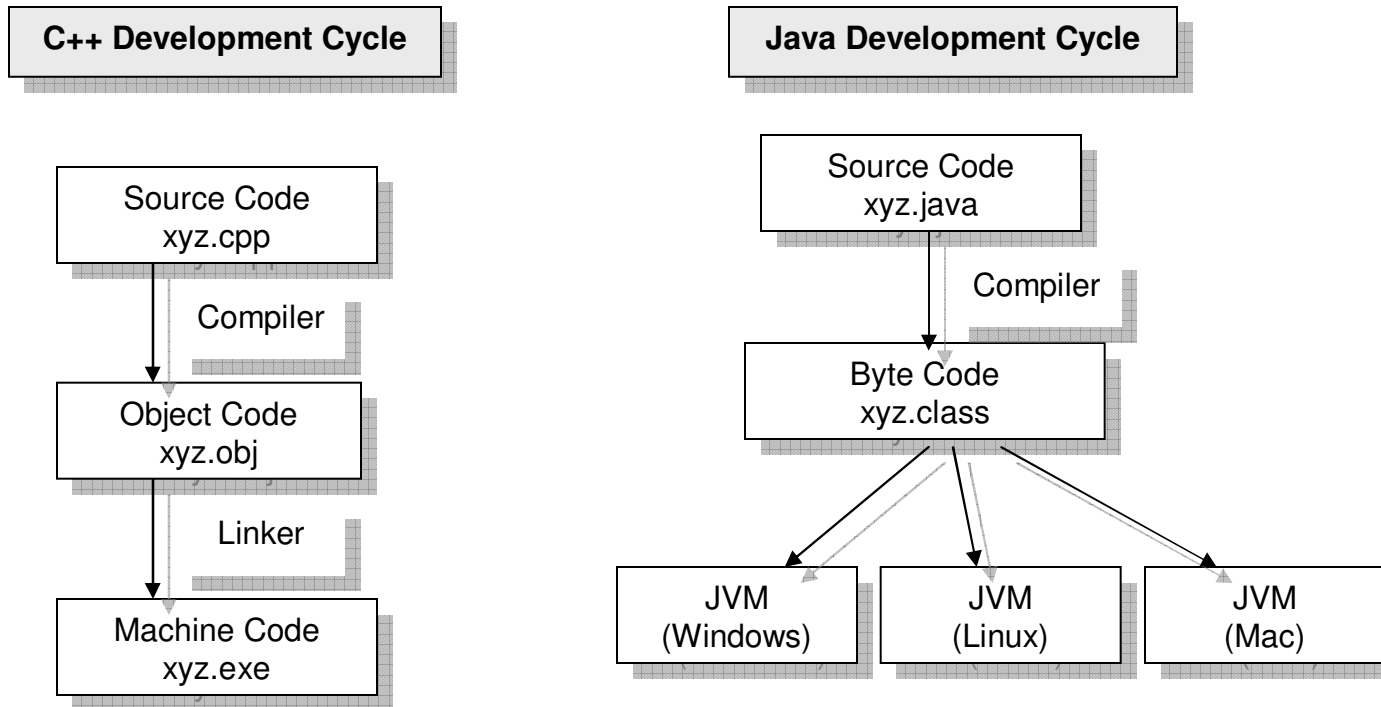
# Java Editions



# Features of Java

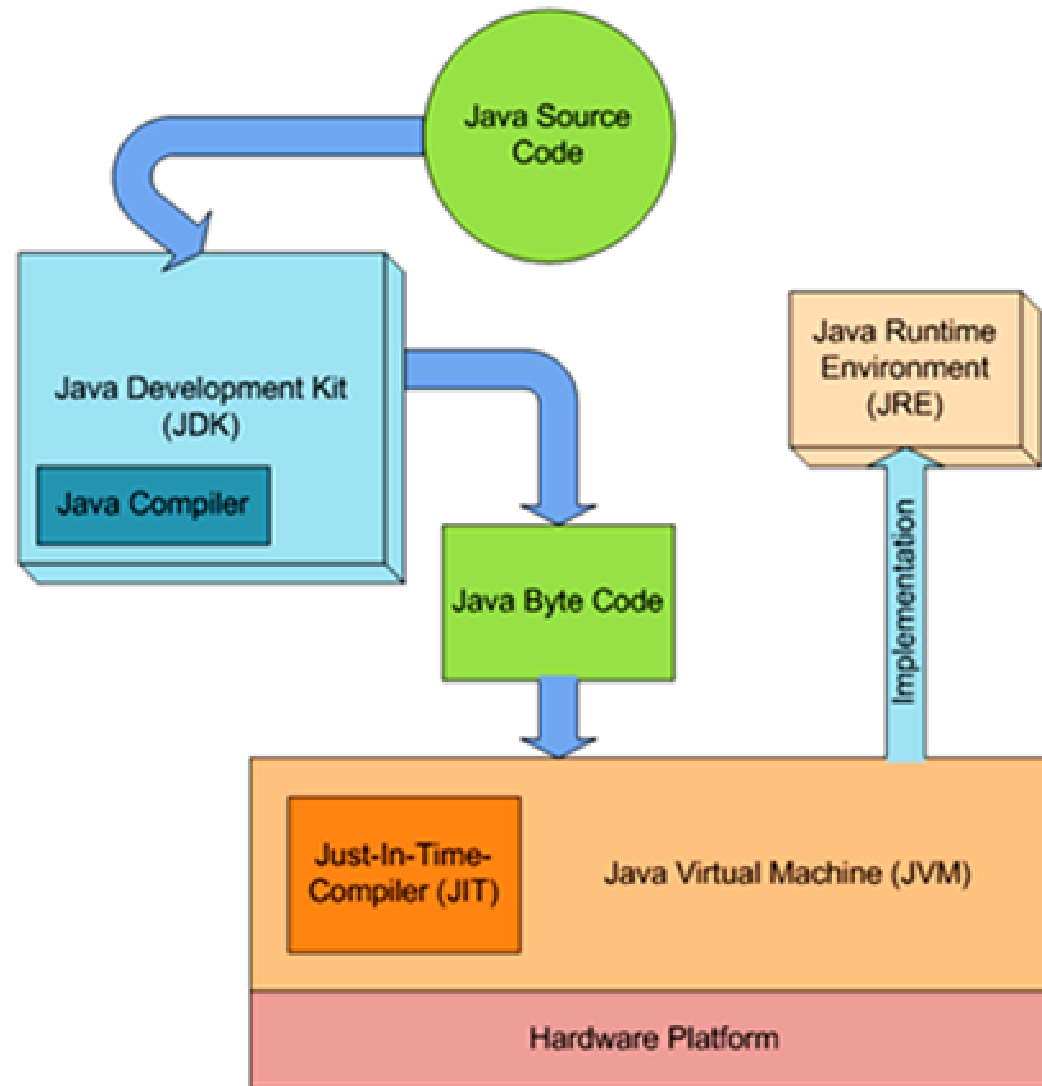
- **Platform Independence**  
( *Write-Once-Run-Anywhere* )
- **Object Oriented**
- **Compiler/Interpreter Combo**
- **Robust**
- **Automatic Memory Management**
- **Security**
- **Dynamic Binding**
- **Good Performance**
- **Multi-Threading**
- **Built-in Networking**

# Development Cycle



JVM : Java Virtual Machine

**Note** : Java Source Code file and Byte Code file may or may not have same file name



# First Java Program

```
class first
{
    public static void main(String s[])
    {
        System.out.print("hello world");
    }
}
```

- Save it with some file name with extension “java” e.g. abc.java
- Compile it as follows  
**javac abc.java**
- Run byte code as follows  
**java first**

## **Note:**

1. Open run windows using Window Key+R
2. Use cmd to open command prompt
3. Set path as follows:  
Set path=c:\Program Files\java\jdk1.7.0\_51\bin