Java Intro

A First Java Program

```java
//The Hello, World! program in Java
public class Hello {

    public static void main(String[] args) {
        System.out.println("Hello, World!");
    }

}
```

A First Java Program

//The Hello, World! program in Java

- Comments start with //
    - Comment goes to the end of the line
- Multiline comments start with /* and end with */
    /*This is a multiline
        comment */

A First Java Program

public class Hello {
}

- •Definition for the class Hello
- •Class Hello MUST be defined in a file named Hello.java
- •The class definition is enclosed in { }

A First Java Program
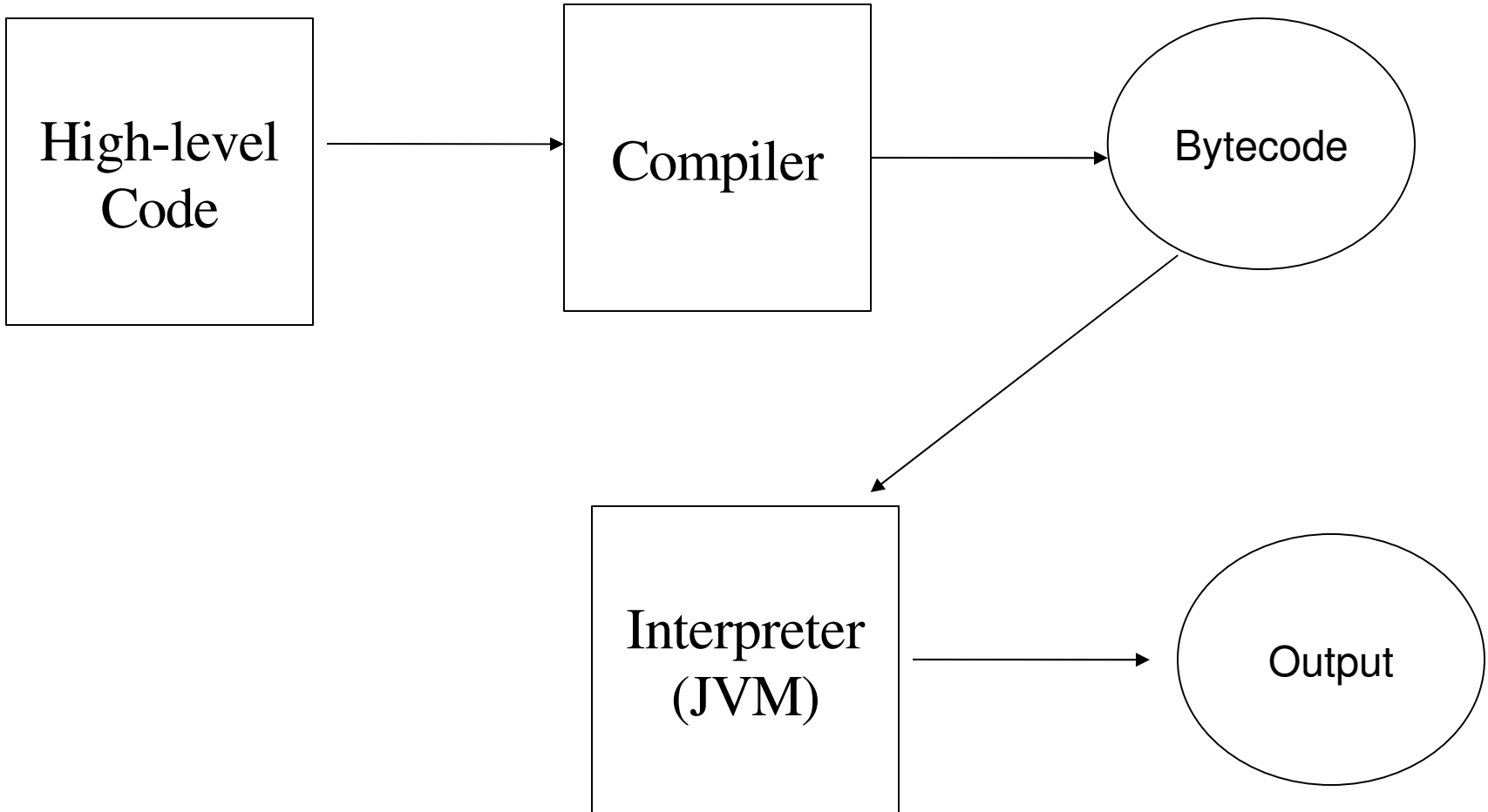
public static void main(String[] args) {

}

- Every Java application must have a main method
- The header of every main method looks the same
- The method is enclosed by { }
    - Whitespace is ignored
    - Proper indentation is not required by the compiler
        - But, it is required by the instructor...

A First Java Program

System.out.println("Hello, World!");

- Print the string enclosed by the quotation marks
- Every statement must end with a semi-colon
- Double quotes enclose strings

Java

Writing/Compiling/Running

1) Write the program using your favorite text editor – save a class *classname* into file *classname*.java

2) Open a terminal window and cd into the directory where your code is saved

3) To compile, type *javac classname.java*

4) Fix any errors and go back to step 3

5) To run, type *java classname*