

Java Compilation Process Questions

Sreesha Venkat and Nicki Peternel

February 15, 2015

1 Question 1

Fill out the blanks for the Java Compilation Process.

Java _____	_____ file
Java _____	(e.g. javac)
Java _____	_____ file
Java _____	(Java Interpreter)

2 Question 2

```
public static void main(String[] args)
```

Given the line of code above, explain what each of the following keywords means in the context of Java.

- public:
- static:
- void:
- main:

3 Question 3

In Java, is it absolutely necessary for the file name to be the same as the class name? If so, explain why.

4 Question 4

If a programmer has the source code for a Java program already written, and they wish to run that program, they will need both a **compiler** and **interpreter**.

Briefly explain what a Java compiler and a Java interpreter will do:

5 Question 5

Explain three different advantages of Java using bytecode rather than native code.