

Lab 1 –Introduction to Java Programming**Answer the following questions.**

Create a source file containing a Java program. Perform the following steps to compile the program and run it.

1. Create a file named `Welcome.java`. You can use any editor that will save your file in text format.

```
public class JADemo1 {  
  
    /**  
     * @param args the command line arguments  
     */  
    public static void main(String[] args) {  
        System.out.println("Welcome to Java.");  
    }  
}
```

2. Compile the source file.
3. Run the bytecode.
4. Replace “Welcome to Java” with “My first program” in the program; save, compile, and run the program. You will see the message “My first program” displayed.
5. Replace `main` with `Main`, and recompile the source code. The compiler returns an error message because the Java program is case-sensitive.
6. Change it back, and compile the program again.
7. If you use command-line,
 - a. Instead of the command `javac Welcome.java`, use `javac welcome.java`. What happens?
 - b. Instead of the command `java Welcome`, use `java Welcome.class`. What happens?