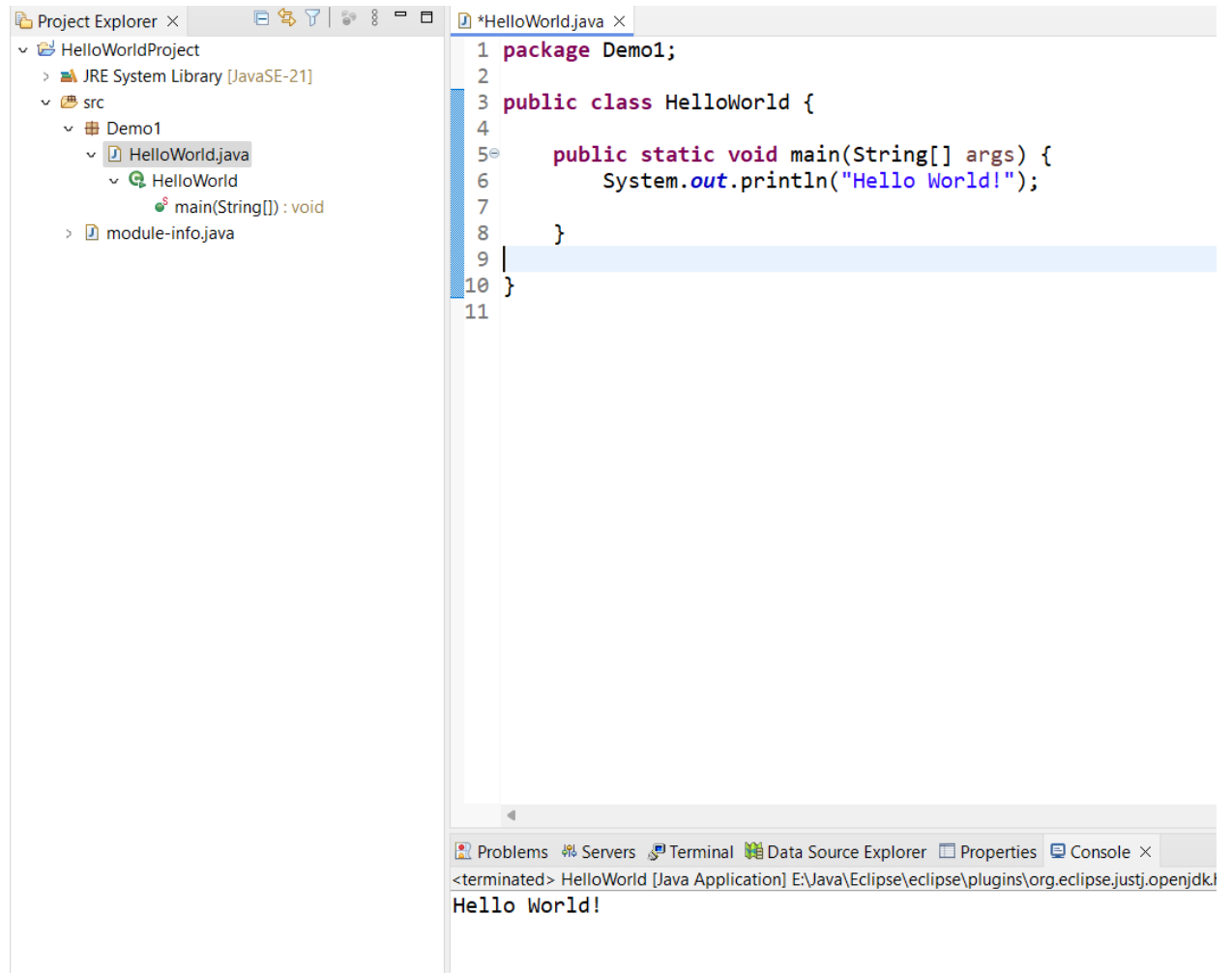


ASSIGNMENT 1

1. Hello World Program

Screenshot



2. Compile with verbose option:

```
D:\Eclipse\Counting\src\Frequency>javap Freq.class
Compiled from "Freq.java"
public class Frequency.Freq {
    public Frequency.Freq();
    public static void main(java.lang.String[]);
}
```

```
D:\Eclipse\Counting\src\Frequency>javac -verbose Freq.class
error: invalid flag: Freq.class
Usage: javac <options> <source files>
use --help for a list of possible options
```

```
D:\Eclipse\Counting\src\Frequency>javac -verbose Freq.java
[parsing started SimpleFileObject[D:\Eclipse\Counting\src\Frequency\Freq.java]]
[parsing completed 23ms]
[loading /modules/java.base/module-info.class]
[loading /modules/jdk.naming.rmi/module-info.class]
```

3. Inspect Bytecode:

```
D:\Eclipse\Counting\src\Frequency>javac -verbose Freq.java
[parsing started SimpleFileObject[D:\Eclipse\Counting\src\Frequency\Freq.java]]
[parsing completed 23ms]
[loading /modules/java.base/module-info.class]
[loading /modules/jdk.naming.rmi/module-info.class]
[loading /modules/jdk.zipfs/module-info.class]
[loading /modules/jdk.jsobject/module-info.class]
[loading /modules/jdk.security.auth/module-info.class]
[loading /modules/jdk.accessibility/module-info.class]
[loading /modules/java.naming/module-info.class]
[loading /modules/java.datatransfer/module-info.class]
```