

1. Reading Assignment: A Short History of Java

- **Task:** Read about the history and development of Java.
- **Link:** <http://sunsite.uakom.sk/sunworldonline/swol-07-1995/swol-07-java.html>

2. Reading Assignment: Java Language Features

- **Task:** Learn about the main features of Java.
- **Link:** <https://javaalmanac.io/features/>

3. Reading Assignment: Which Version of JDK Should I Use?

- **Task:** Find out which JDK version is right for you.
- **Link:** <https://whichjdk.com/>

4. Reading Assignment: JDK Installation Directory Structure

- **Task:** Understand the folder structure and files in the JDK installation.
- **Link:** <https://docs.oracle.com/javase/8/docs/technotes/tools/windows/jdkfiles.html>

5. Reading Assignment: About Java Technology

- **Task:** Read about the basics of Java technology and its components.
- **Link:** <https://docs.oracle.com/javase/tutorial/getStarted/intro/definition.html>

6. Coding Assignments

1. **Hello World Program:** Write a Java program that prints "Hello World!!" to the console.

The screenshot shows an IDE with the following components:

- EXPLORER:** Shows a project named 'JAVA MODULE' containing 'day1.class' and 'day1.java'.
- Editor:** Displays the code for 'day1.java':

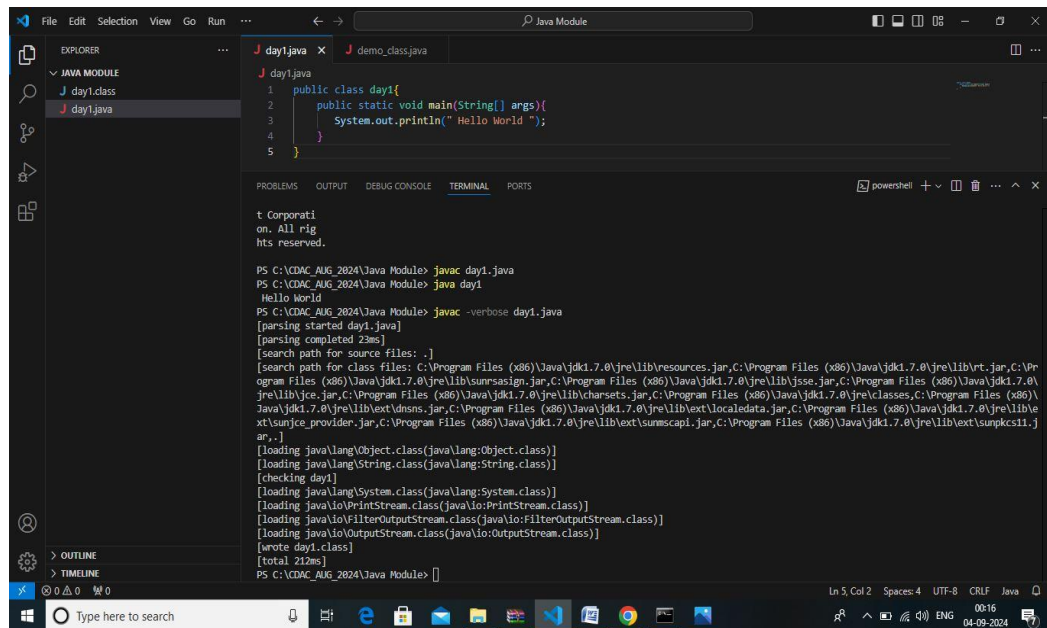

```
1 public class day1{
2     public static void main(String[] args){
3         System.out.println(" Hello World ");
4     }
5 }
```
- TERMINAL:** Shows the execution of the program:


```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

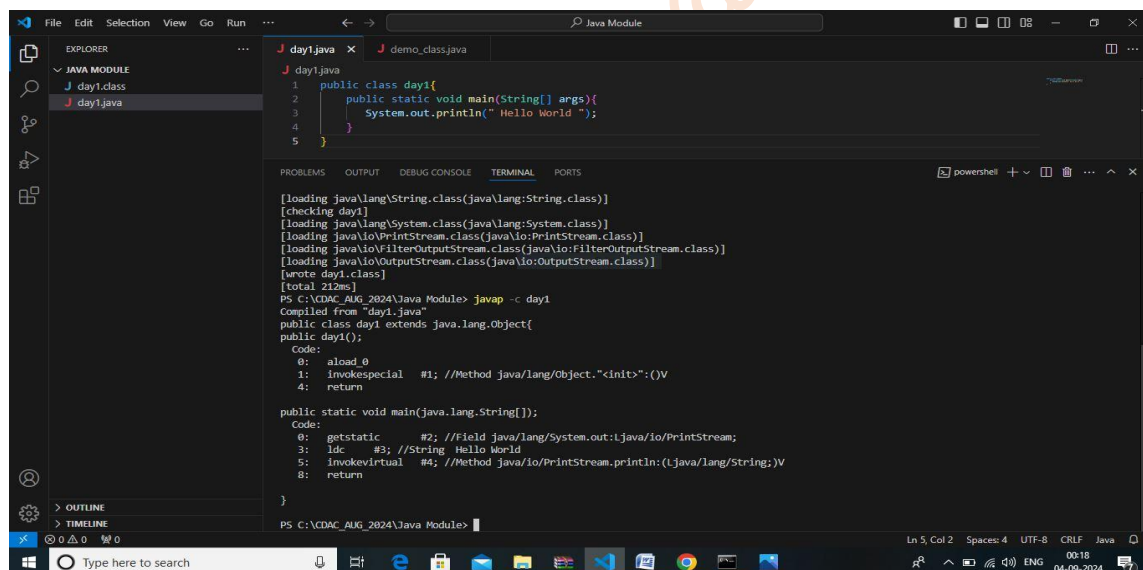
PS C:\CDAC_AUG_2024\Java Module> javac day1.java
PS C:\CDAC_AUG_2024\Java Module> java day1
Hello World
PS C:\CDAC_AUG_2024\Java Module>
```

2. **Compile with Verbose Option:** Compile your Java file using the `-verbose` option with `javac`. Check the output.

ASSIGNMENT NO.1



3. **Inspect Bytecode:** Use the `javap` tool to examine the bytecode of the compiled `.class` file. Observe the output.



7. Reading Assignment: The JVM Architecture Explained

- **Task:** Learn about how the Java Virtual Machine (JVM) works.
- **Link:** <https://dzone.com/articles/jvm-architecture-explained>

8. Reading Assignment: The Java Language Environment: Contents

- **Task:** Explore the content and features of the Java language environment.
- **Link:** <https://www.oracle.com/java/technologies/language-environment.html>