

Prelim Exercise #1

Objectives

1. Create a Java source code/program using the prescribed environment [i.e. IntelliJ IDEA]
2. Compile a Java source program into Bytecode using IntelliJ IDEA
3. Run a compiled Java program using IntelliJ IDEA
4. Describe the structure of a Java Program with a main method (Executable program)
5. Apply the output statement `System.out.println()`
6. Explain why the Java programming language is case-sensitive
[i.e. The keywords `import`, `public`, `class`, `static`, and `void` are in lowercases (small letters). The identifiers `String` and `System` begin with capital letters. The identifiers `main` and `args` are in lowercase]

```
/*  
*Author: (Last Name, First Name, Middle Initial)  
*Programming Date: Date , Class schedule  
*Activity Name and Number: Prelim Exercise Number 1  
*/
```

// This source code should be saved in a file called **Exercise1.java**

```
package prelim;  
import java.lang.*; // import statement  
public class Exercise1 { // class declaration  
    public static void main(String[] args) { // main method declaration  
        System.out.println("*****");  
        System.out.println("*****");  
        System.out.println("*****");  
        System.out.println("*****      hello world      *****");  
        System.out.println("*****");  
        System.out.println("*****");  
        System.out.println("*****");  
        System.out.println("*****");  
        System.out.println("*****");  
        System.exit(0); // terminate the program  
    } // end of main method  
} // end of Exercise1 class
```

Things to take note:

1. Creation of projects/packages/files
2. Compiling and executing/running codes
3. Color schemes indicating special keywords and symbols
4. Indention for readability
5. Case sensitive formatting
6. Naming conventions
7. `println` vs `print`
8. header format and comments – class requirement
9. IDE screen – output, errors, navigation and editor
10. Rubric

Rubric and Criteria:

Criteria	10 points	8 points	5 points	3 points	0 point
Program Correctness: Algorithm and logic	The program generates the perfect output. With complete header and algorithm.	The program generates an output with a minor mistake	The program generates a partially correct output	The output of the program is wrong	No submission