1.

```java
public class Hello {
    public static void main(String[] args) {
        System.out.println(x:"Hello World!");
    }
}
```

```
PS C:\Users\user>  & 'C:\Program Fi
\jdt_ws\jdt.ls-java-project\bin' 'H
Hello World!
PS C:\Users\user>
```

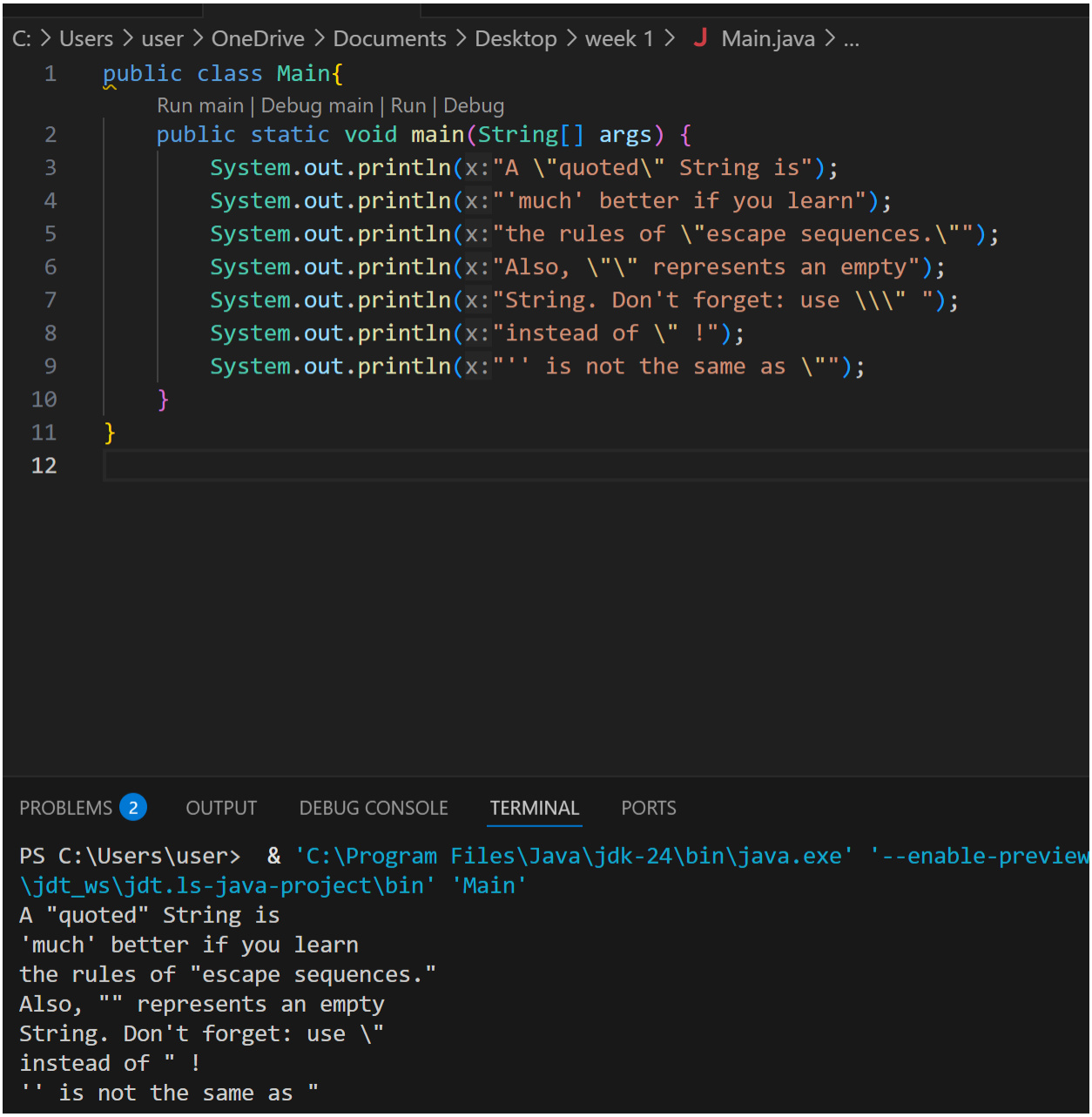
2.

```java
public class Hello {
    public static void main(String[] args) {
        System.out.print(s:"Hello World!\n");
        System.out.print(s:"This is my first program\n");
        System.out.print(s:"I am on module ST4003CEM\n");
    }
}
```

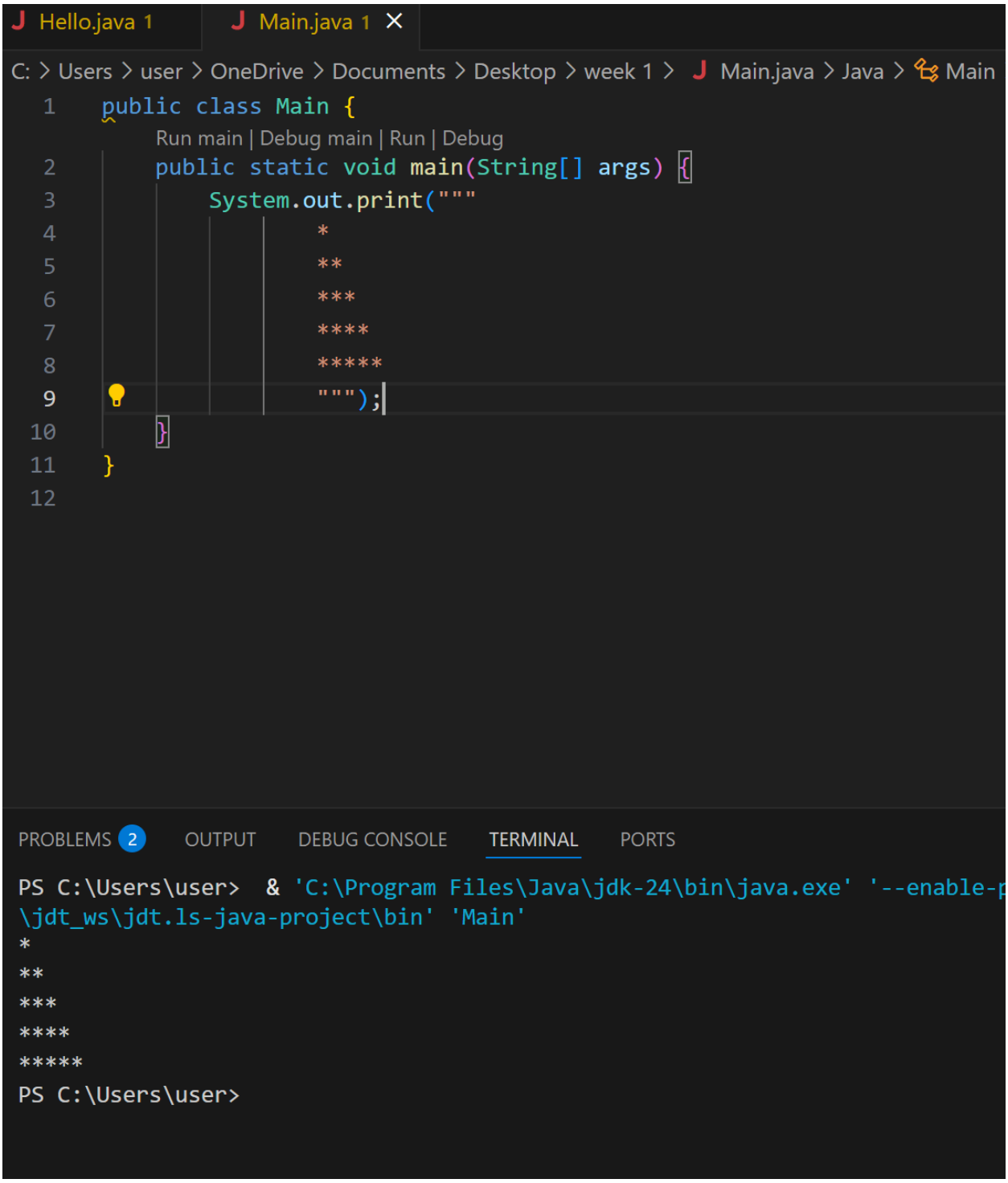
Output:

```
PS C:\Users\user>  & 'C:\Program Files
\jdt_ws\jdt.ls-java-project\bin' 'Hell
Hello World!
This is my first program
I am on module ST4003CEM
```

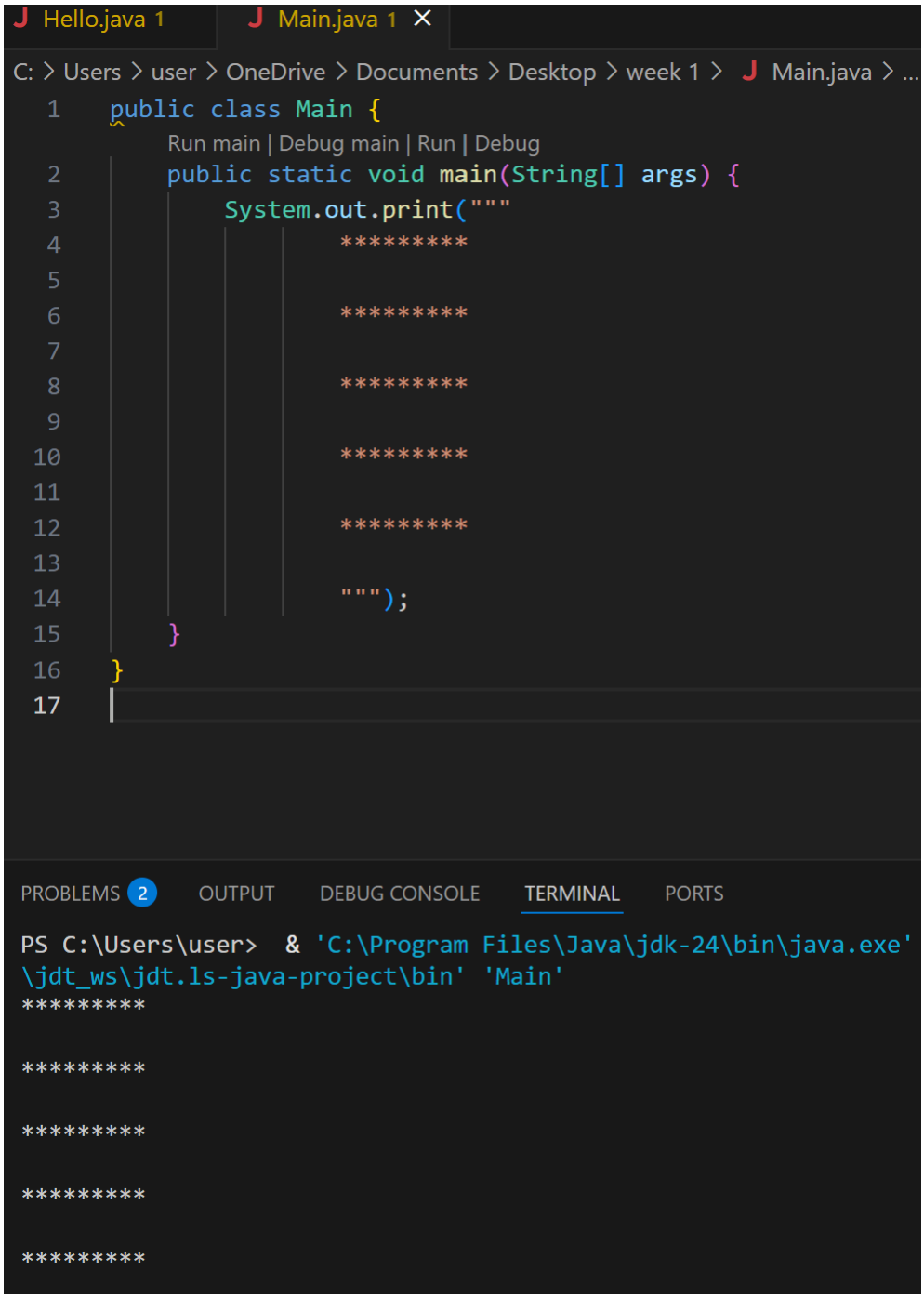
3.


C: > Users > user > OneDrive > Documents > Desktop > week 1 > Main.java > ...
1 public class Main{
Run main | Debug main | Run | Debug
2 public static void main(String[] args) {
3 System.out.println(x:"A \"quoted\" String is");
4 System.out.println(x:"'much' better if you learn");
5 System.out.println(x:"the rules of \"escape sequences.\"");
6 System.out.println(x:"Also, \"\" represents an empty");
7 System.out.println(x:"String. Don't forget: use \\\" ");
8 System.out.println(x:"instead of \" !");
9 System.out.println(x:"'' is not the same as \"");
10 }
11 }
12
PROBLEMS 2
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\user> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview
\jdt_ws\jdt.ls-java-project\bin' 'Main'
A "quoted" String is
'much' better if you learn
the rules of "escape sequences."
Also, "" represents an empty
String. Don't forget: use \"
instead of " !
'' is not the same as "

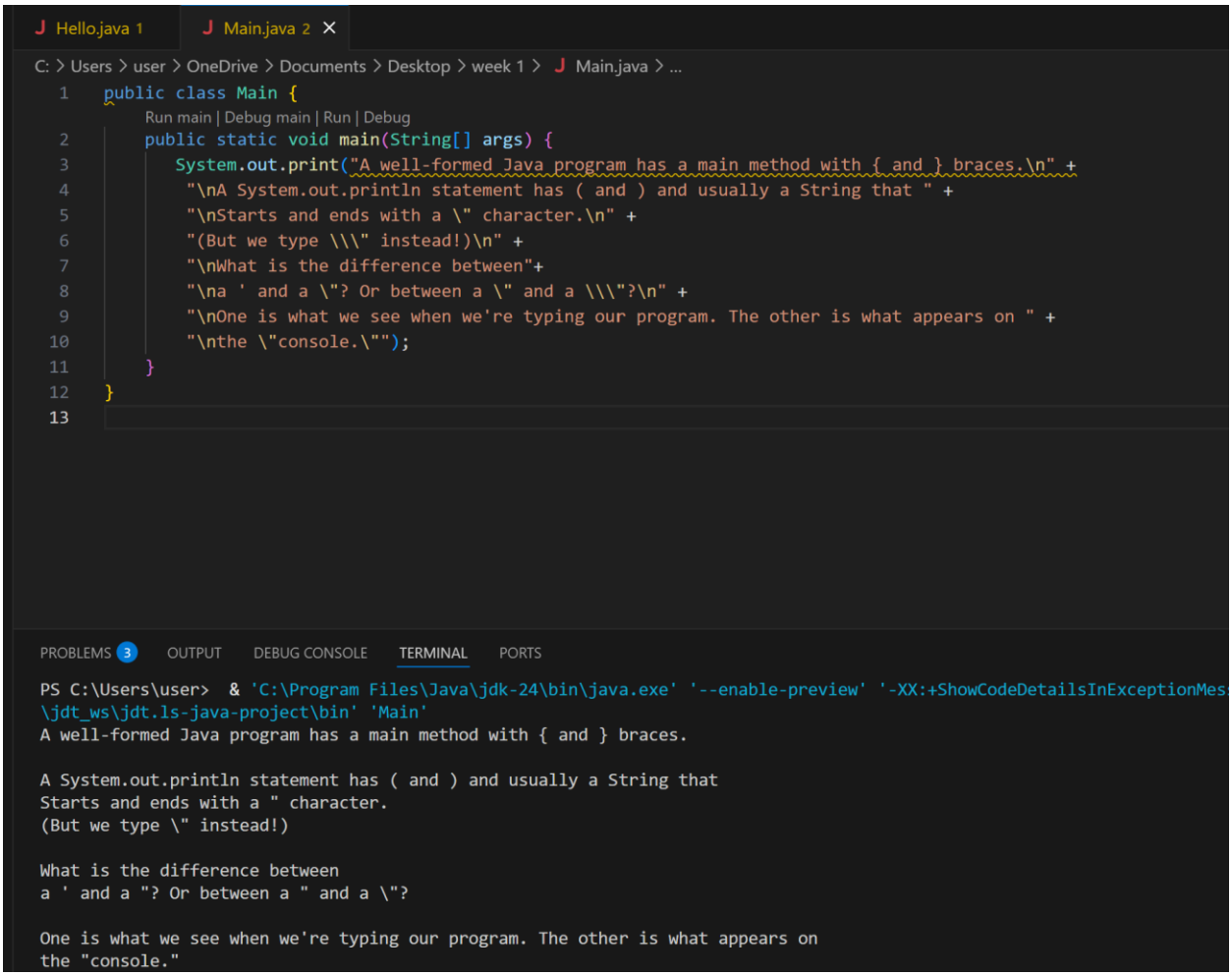
4.


Hello.java 1
Main.java 1
C: > Users > user > OneDrive > Documents > Desktop > week 1 > Main.java > Java > Main
1 public class Main {
Run main | Debug main | Run | Debug
2 public static void main(String[] args) {
3 System.out.print("""
4 *
5 **
6 ***
7 ****
8 *****
9 """);
10 }
11 }
12
PROBLEMS 2
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\user> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-p
\jdt_ws\jdt.ls-java-project\bin' 'Main'
*
**
***
****
*****
PS C:\Users\user>

5.


Hello.java 1
Main.java 1
C: > Users > user > OneDrive > Documents > Desktop > week 1 > Main.java > ...
1 public class Main {
Run main | Debug main | Run | Debug
2 public static void main(String[] args) {
3 System.out.print("""
4 *********
5
6 *********
7
8 *********
9
10 *********
11
12 *********
13
14 """);
15 }
16 }
17
PROBLEMS 2
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\user> & 'C:\Program Files\Java\jdk-24\bin\java.exe'
\jdt_ws\jdt.ls-java-project\bin' 'Main'
****
****
****
****
****

6.


Hello.java 1
Main.java 2
C: > Users > user > OneDrive > Documents > Desktop > week 1 > Main.java > ...
public class Main {
Run main | Debug main | Run | Debug
public static void main(String[] args) {
System.out.print("A well-formed Java program has a main method with { and } braces.\n" +
"\nA System.out.println statement has (and) and usually a String that " +
"\nStarts and ends with a \" character.\n" +
"(But we type \\\" instead!)\n" +
"\nWhat is the difference between"+
"\na ' and a \"? Or between a \" and a \\\"?\n" +
"\nOne is what we see when we're typing our program. The other is what appears on " +
"\nthe \"console.\"");
}
}
PROBLEMS 3
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\user> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMes
\jdt_ws\jdt.ls-java-project\bin' 'Main'
A well-formed Java program has a main method with { and } braces.
A System.out.println statement has (and) and usually a String that
Starts and ends with a " character.
(But we type \" instead!)
What is the difference between
a ' and a "? Or between a " and a \"?
One is what we see when we're typing our program. The other is what appears on
the "console."