

J Hello.java X

J Hello.java > Hello > main(String[])

```
1 public class Hello {  
    Run | Debug  
2     public static void main(String[] args) {  
3         System.out.println(x:"Hello, World!");  
4         System.out.println(x:"This is my first program.");  
5         System.out.println(x:"I am on module ST4003CEM");  
6     }  
7  
8 }  
9
```

PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\jweek1> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetailsIn  
-cp' 'C:\Users\Prajanya\AppData\Roaming\Code\User\workspaceStorage\99a4638032aa288d720f8f6a04064b2f\redl  
k1_c8d0294b\bin' 'Hello'  
Hello, World!  
This is my first program.  
I am on module ST4003CEM  
PS C:\jweek1>
```

⌵ Hello.java × ⌵ sumexample.java 2

⌵ Hello.java > ⚙ Hello > ⚙ main(String[])

```
1 public class Hello {  
    Run | Debug  
2     public static void main(String[] args) {  
3         System.out.println(x:"Hello, World!");  
4     }  
5  
6 }  
7
```

PROBLEMS ⓘ OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\jweek1> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetailsInE  
-cp' 'C:\Users\Prajanya\AppData\Roaming\Code\User\workspaceStorage\99a4638032aa288d720f8f6a04064b2f\redh  
k1_c8d0294b\bin' 'Hello'  
Hello, World!  
This is my first program.  
I am on module ST4003CEM  
PS C:\jweek1> ^C  
PS C:\jweek1>  
PS C:\jweek1> c::; cd 'c:\jweek1'; & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview' '-XX:  
ExceptionMessages' '-cp' 'C:\Users\Prajanya\AppData\Roaming\Code\User\workspaceStorage\99a4638032aa288d72  
hat.java\jdt_ws\jweek1_c8d0294b\bin' 'Hello'  
Hello, World!  
PS C:\jweek1>
```


J Escape.java X

J Escape.java > ...

```
1 public class Escape {  
    Run | Debug  
2     public static void main(String[] args)  
3     {  
4         System.out.println("A \"quoted\" String is");  
5         System.out.println("'much' better if you learn");  
6         System.out.println("the rules of \"escape sequences.\"");  
7         System.out.println("Also, \"\" represents an empty");  
8         System.out.println("String. Don't forget: use \\\"");  
9         System.out.println("instead of \" |");  
10        System.out.println("' is not the same as \"");  
11    }  
12  
13
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS

instead of " |

PS C:\jweek1> ^C

PS C:\jweek1>

PS C:\jweek1> c:; cd 'c:\jweek1'; & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview' '-XX:
ExceptionMessages' '-cp' 'C:\Users\Prajanya\AppData\Roaming\Code\User\workspaceStorage\99a4638032aa288d72
hat.java\jdt_ws\jweek1_c8d0294b\bin' 'Escape'

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 " |

PS C:\jweek1>

J Pattern.java X

J Pattern.java

```
1  public class Pattern {  
2  public static void main(String[] args) {  
3      System.out.println("");  
4      System.out.println("**");  
5      System.out.println("***");  
6      System.out.println("****");  
7      System.out.println("*****");  
8  }  
9  
10
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\jweek1> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview' '-XX:+ShowCode  
-cp' 'C:\Users\Prajanya\AppData\Roaming\Code\User\workspaceStorage\99a4638032aa288d720f8f6a040  
k1_c8d0294b\bin' 'Pattern'
```

*

**

```
PS C:\jweek1>
```


J Pattern.java > Pattern

```
1  public class Pattern {  
    Run | Debug  
2  public static void main(String[] args) {  
3      System.out.println(x: "*****");  
4      System.out.println(x: "*****");  
5      System.out.println(x: "*****");  
6      System.out.println(x: "*****");  
7      System.out.println(x: "*****");  
8  }  
9  }  
10
```

PROBLEMS 1

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

PS C:\jweek1> ^C

PS C:\jweek1>

```
PS C:\jweek1> c:; cd 'c:\jweek1'; & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enabl  
ExceptionMessages' '-cp' 'C:\Users\Prajanya\AppData\Roaming\Code\User\workspaceStorage\99  
hat.java\jdt_ws\jweek1_c8d0294b\bin' 'Pattern'
```

PS C:\jweek1>

pattern.java > ...

```
public class Pattern {
```

Run | Debug

```
public static void main(String[] args) {
```

```
System.out.println(x:"A well-formed Java program has a main method with { and } braces.");
```

```
System.out.println(x:"A System.out.println statement has ( and ) and usually a String that star
```

```
System.out.println(x:"(But we type \\" instead!)");
```

```
System.out.println(x:"What is the difference between a ' and a \"? Or between a \" and a \\\"?");
```

```
System.out.println("One is what we see when we're typing our program. The other is what appears
```

}

3

I

PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL PORTS

ut cannot be resolved or is not a field

```
at Pattern.main(Pattern.java:7)
```

PS C:\jweek1> ^C

PS C:\jweek1>

```
PS C:\jweek1> c::; cd 'c:\jweek1'; & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetails' '-XX:CompileExceptionsMessages' '-cp' 'C:\Users\Prajanya\AppData\Roaming\Code\User\workspaceStorage\99a4638032aa288d720f8f6a04064b2f\hat.java\jdt_ws\jweek1_c8d0294b\bin' 'Pattern'
```

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."

```
PS C:\jweek1>
```