```
/^* 1. Write a program that prints Hello World! to the console. Save the program as Hello.java. ^*/ public class HelloWorld {
                                  Run|Debug
public static void main(String[] args) {
    System.out.println(x:"Hello, World!");
                                                                                                                                                                                                                                                                                                                                                                                                                                               数 Run: HelloWorld + ∨ Ⅲ 値 ··· | ∷ ×
  PS C:\Users\ASUA\Documents\Object Class> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\ASUA\AppData'
Roaming\Code\User\workspaceStorage\e37b7b08a7335c292e2fdd90f10271b5\redhat.java\jdt_ws\Object Class_Z342bf00\bin' 'HelloWorld'
                      lojava > % Hello
/* 2. Extend/Modify the above program to print two additional lines: This is my first program
I am on module ST4003CEM System.out.print (not println) and produces the same output. */
public class Hello {
    Run[Debug
    public static void main(String[] args) {
        System.out.print(s:"Hello World!\n");
        System.out.print(s:"Hello World!\n");
        System.out.print(s:"I am on module ST4003CEM\n");
                                                                                                                                                                                                                                                                                                                                                                                                                                                        数 Run: Hello + ∨ Ⅲ 🛍 ··· | [] ×
   PS C:\Users\ASUA\Documents\Object Class> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview' '-XX:+ShowCodeOetailsInExceptionMessages' '-cp' 'C:\Users\ASUA\AppOata\Roaming\Code\User\workspaceStorage\e37b7b08a7335c292e2fdd90f10271b5\redhat.java\jdt ws\Object Class 7342bf00\bin' 'Hello'
    Hello World!
    HeIIO WOTIO:
This is my first program
I am on module ST4003CEM
PS C:\Users\ASUA\Documents\Object Class>
      Particles and the strong of the result of the same as \( \text{"1} \) system.out.println(x:"A \"quoted\" String is");

System.out.println(x:"imuch better if you learn");

System.out.println(x:"the rules of \"escape sequences.\"");

System.out.println(x:"string. Don't forget: use \\\\"");

System.out.println(x:"string. Don't forget: use \\\\"");

System.out.println(x:"instead of \" !");

System.out.println(x:"instead of \" !");
PROBLEMS OUTPUT DEBUG CONSOLE | IERMINAL | PURIS

PS C:\Users\ASUA\Documents\Object Class> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Us

PS C:\Users\ASUA\Approbata\Roaming\Code\User\workspaceStorage\e37b7b08a7335c292e2fdd90f10271b5\redhat.java\jdt_ws\Object Class _7342bf00\bin' 'Escape'

\[ \frac{\text{\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\
ers\ASUA\AppData\Roaming\Code\Us
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 " !
instead of " !
'' is not the same as "
PS C:\Users\ASUA\Documents\Object Class>
         Pattern1.java > ♣ Pattern1 > ♠ main(String[])

1 /* 4. WAP that prints the following pattern
                                             System.out.println(x:"");
System.out.println(x:"*");
System.out.println(x:"**");
System.out.println(x:"***");
System.out.println(x:"***");
                               OUTPUT DEBUG CONSOLE TERMINAL PORTS
 PS C:\Users\ASUA\Documents\Object Class> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\ASUA\AppData\Roaming\Code\User\workspaceStorage\e37b7b88a7335c292e2fdd90f10271b5\redhat.java\jdt_ws\Object Class_7342bf00\bin' 'Pattern1' 'Escape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ₿ Run: Escape

    ⊗ Run: Pattern1

 PS C:\Users\ASUA\Documents\Object Class>
```

```
ern2.java > 😝 Pattern2
/* 5. WAP prints the following pattern:
          Public class Pattern2 {

Rum|Debug
public static void main(String[] args) {

System.out.println(x:"");

System.out.println(x:"");

System.out.println(x:"");

System.out.println(x:"");

System.out.println(x:"");
PS C:\Users\ASUA\Documents\Object Class> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Us ers\ASUA\ppOata\Roaming\Code\User\workspaceStorage\e37b7b08a7335c292e2fdd90f10271b5\redhat.java\jdt_ws\Object Class_7342bf00\bin' 'Pattern2' \& Run: Escape

⊗ Run: Escape

    ⊗ Run: Pattern1

                                                                                                                                                                                                                                                                                                        *******
******
PS C:\Users\ASUA\Documents\Object Class>
   J JavaOutput.java > 😝 JavaOutput
            SOutputjava > <sup>1</sup> Avacoutput /* 6. WAP that prints the following output:

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 \"?
            a and a { or Detween a and a \ r
One is what we see when we're typing our program. The other is what appears on the "console." */
public class JavaOutput []
Run|Debug
public static void main(String[] args) {
System.out.println(X:"A well-formed Java program has a main method with { and } braces.\n");
                          System.out.println(x:"A System.out.println statement has ( and ) and usually a String that starts and ends with a \" character."); System.out.println(x:"(But we type \\\" instead!)\n");
                           袋 Run: Hello
 PS C:\Users\ASUA\Documents\Object Class> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\ASUA\AppData\Roaming\Code\User\workspaceStorage\e37b7b88a7335c292e2fdd90f10271b5\redhat.java\jdt_ws\Object Class_7342bf00\bin' 'JavaOutput'
A well-formed Java program has a main method with { and } braces.
                                                                                                                                                                                                                                                                                                            袋 Run: Escape
袋 Run: Pattern1
 A System.out.println statement has ( and ) and usually a String that starts and ends with a " character. (But we type \ instead!)

☐ Run: JavaO...
 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:\Users\ASUA\Documents\Object Class>
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