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1. WRITE A PROGRAM THAT PRINTS HELLO WORLD! TO THE CONSOLE. SAVE THE PROGRAM AS HELLO.JAVA.

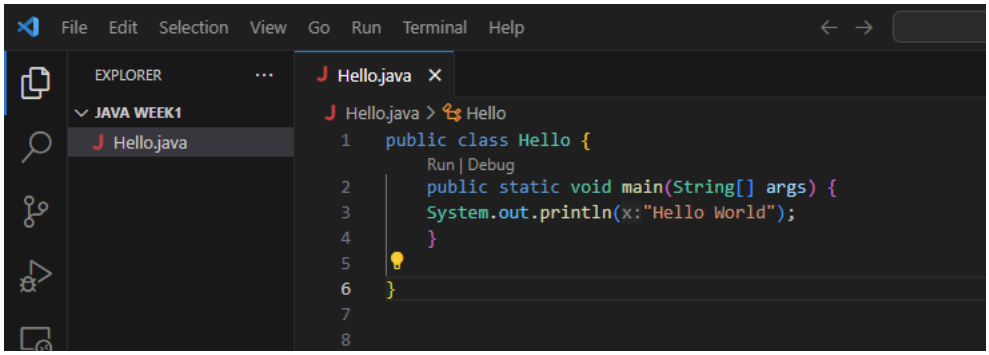

Figure 1 :Hello World

```
PS C:\Users\Dell\Desktop\Java week1>  & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetail
sInExceptionMessages' '-cp' 'C:\Users\Dell\AppData\Roaming\Code\User\workspaceStorage\fc0725afb0297b1bd17096144b6d89a4\redh
at.java\jdt_ws\Java week1_68ceef61\bin' 'Hello'
Hello World
PS C:\Users\Dell\Desktop\Java week1>
```

Figure 2 :Output

2. EXTEND/MODIFY THE ABOVE PROGRAM TO PRINT TWO ADDITIONAL LINES:

A "quoted" String is 'much' better if you learn the rules of "escape sequences. “Also, "" represents an empty String. Don't forget to use \"instead of “!" is not the same as "

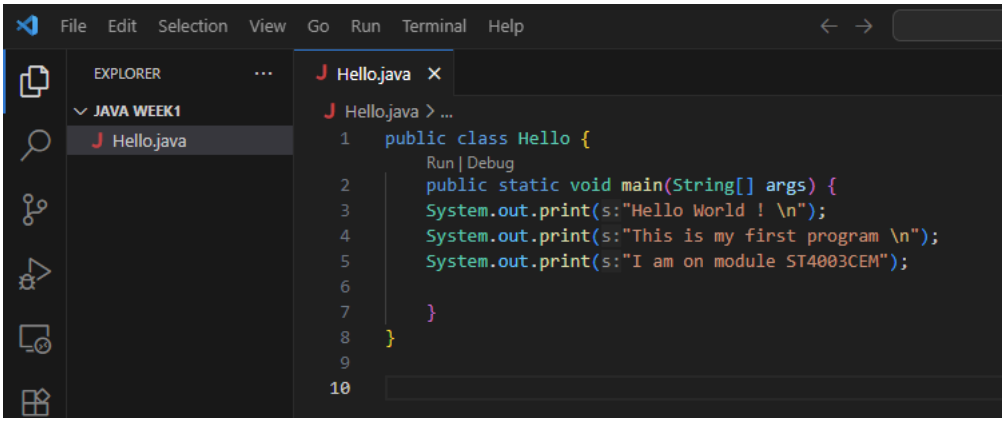

Figure 3 :Module

Figure 4:Ouput

3. WRITE A PROGRAM THAT PRINTS THE FOLLOWING

A "quoted" String is

'much' better if you learn

the rules of "escape sequences."

Also, "" represents an empty

String. Don't forget to use \"

instead of "!

" is not the same as "

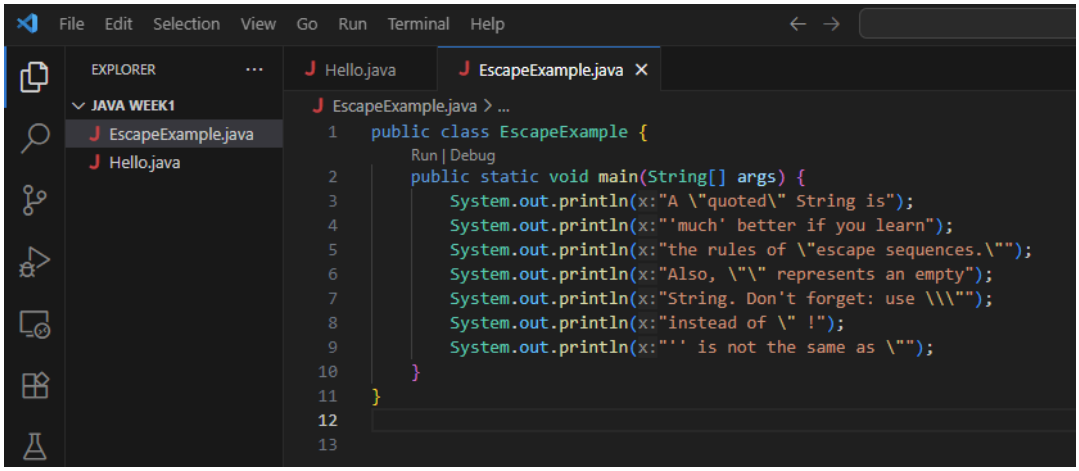

Figure 5 :Escape Sequence

```
PROBLEMS 4   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

PS C:\Users\Dell\Desktop\Java week1> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '
7b1bd17096144b6d89a4\redhat.java\jdt_ws\Java week1_68ceef61\bin' 'EscapeExample'
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 "
PS C:\Users\Dell\Desktop\Java week1>
```

Figure 6 :Output

4. WAP THAT PRINTS THE FOLLOWING PATTERN:

```
*

**

***

****

*****
```

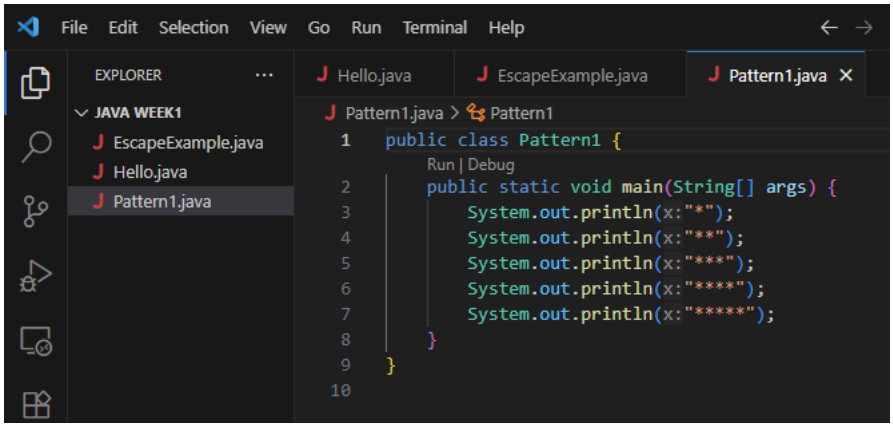

Figure 7 :Pattern 1

```
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

PS C:\Users\Dell\Desktop\Java week1> & 'C:\Program Files\Java\jdk-24\bin\java.exe
7b1bd17096144b6d89a4\redhat.java\jdt_ws\Java week1_68ceef61\bin' 'Pattern1'
*
**
***
****
*****
PS C:\Users\Dell\Desktop\Java week1>
```

Figure 8 :Output

5. WAP PRINTS THE FOLLOWING PATTERN:

****

****

****

****

****

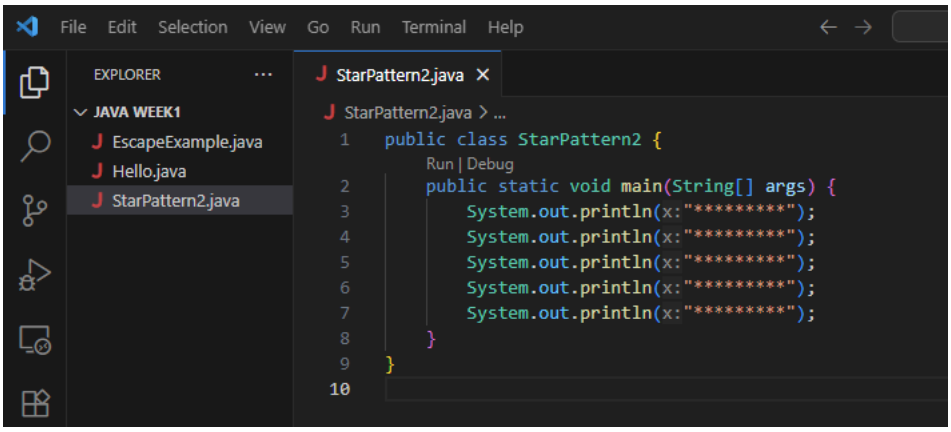

Figure 9 :Pattern 2

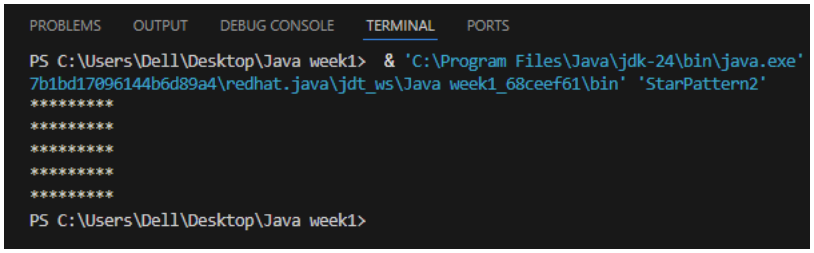

Figure 10 :Output

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 \"?

One is what we see when we're typing our program. The other is what appears on the "console."

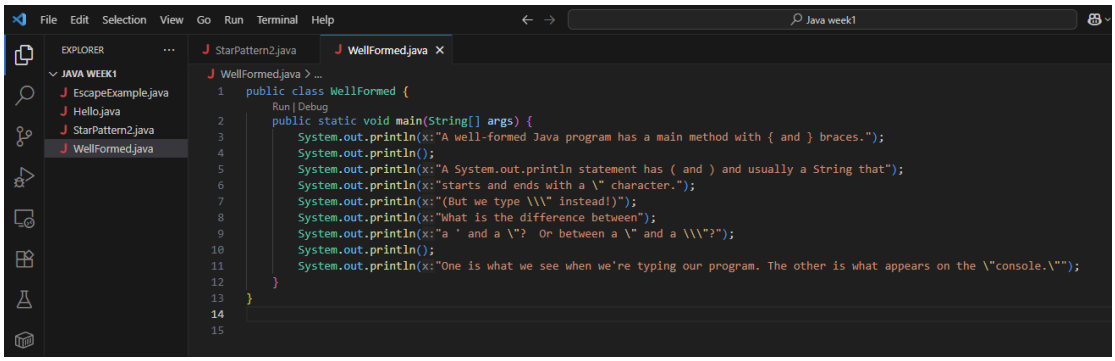

Figure 11 :WellFormed

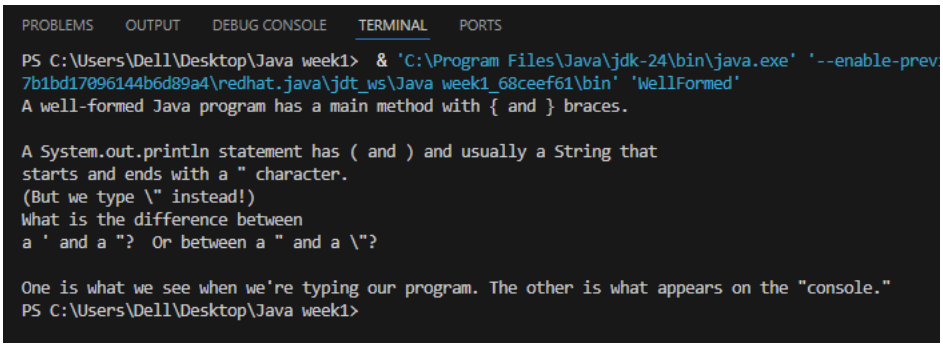

Figure 12 :Output