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

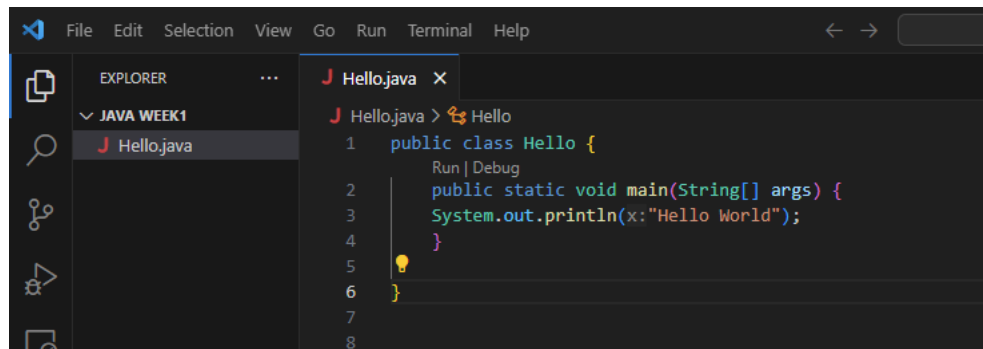


Figure 1 :Hello World

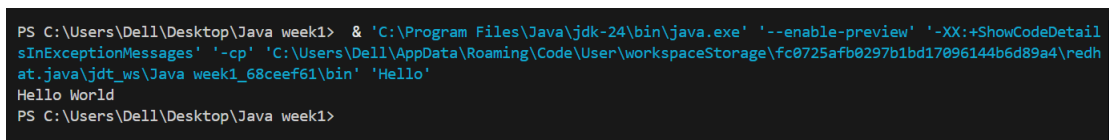


Figure 2 :Output

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 ”

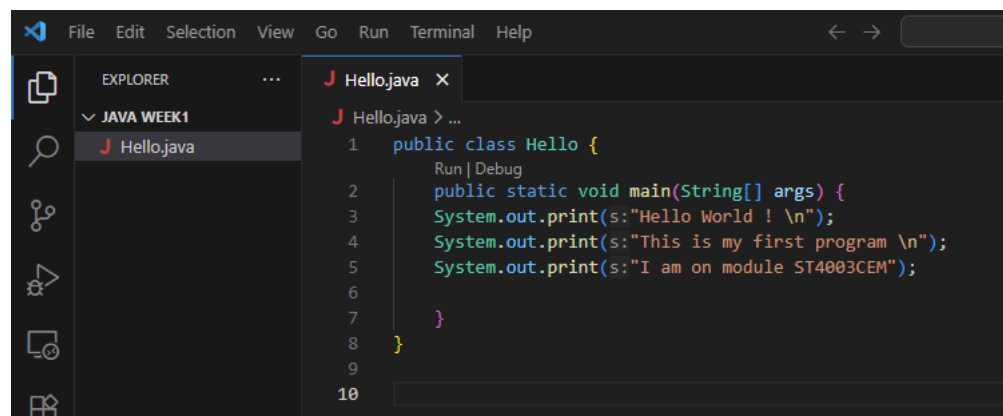


Figure 3 :Module

```

xe' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Dell\AppData\Roaming\Code\User\workspaceStorage\fc0725afb0297b1bd17096144b6d89a4\redhat.java\jdt_ws\Java week1_68ceef61\bin' 'Hello'
Hello World !
This is my first program
I am on module ST4003CEM
PS C:\Users\Dell\Desktop\Java week1>

```

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 "

```

File Edit Selection View Go Run Terminal Help
EXPLORER
  JAVA WEEK1
    EscapeExample.java
    Hello.java
J Hello.java J EscapeExample.java X
J EscapeExample.java > ...
1 public class EscapeExample {
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
13

```

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:

```

*

**

***

****

*****

```

```

File Edit Selection View Go Run Terminal Help
EXPLORER
JAVA WEEK1
  EscapeExample.java
  Hello.java
  Pattern1.java
Pattern1.java > Pattern1
1 public class Pattern1 {
2     Run | Debug
3     public static void main(String[] args) {
4         System.out.println(x:"*");
5         System.out.println(x:"**");
6         System.out.println(x:"***");
7         System.out.println(x:"****");
8         System.out.println(x:"*****");
9     }
10 }

```

Figure 7 :Pattern 1

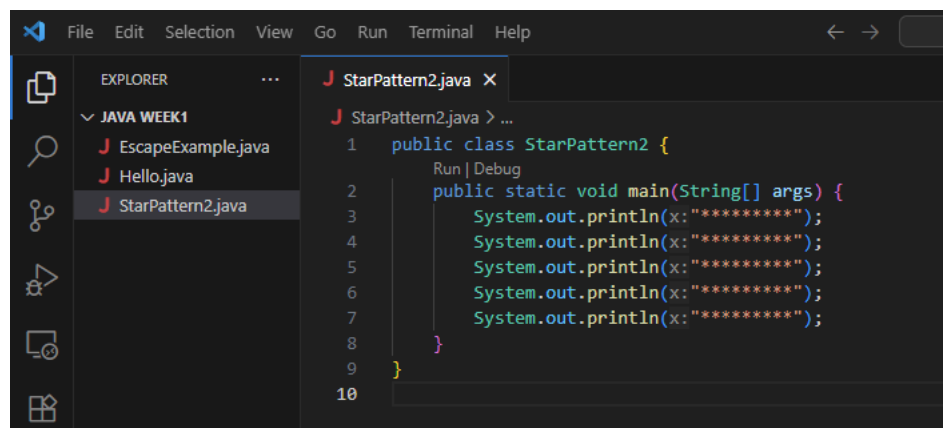
```

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:

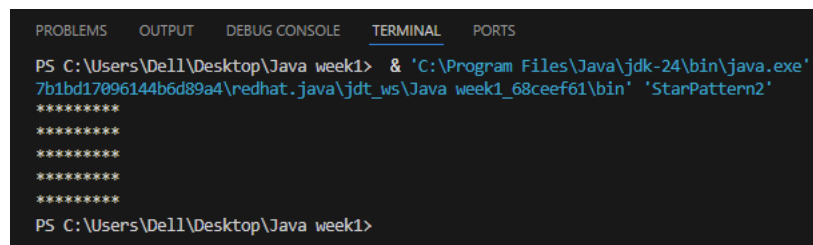


```

File Edit Selection View Go Run Terminal Help
EXPLORER
  JAVA WEEK1
    EscapeExample.java
    Hello.java
    StarPattern2.java
StarPattern2.java x
StarPattern2.java > ...
1 public class StarPattern2 {
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

```

Figure 9 :Pattern 2



```

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' 'StarPattern2'
*****
*****
*****
*****
*****
PS C:\Users\Dell\Desktop\Java week1>

```

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."

```

1 public class WellFormed {
2     public static void main(String[] args) {
3         System.out.println("A well-formed Java program has a main method with { and } braces.");
4         System.out.println();
5         System.out.println("A System.out.println statement has ( and ) and usually a String that
6         System.out.println("starts and ends with a \" character.");
7         System.out.println("(But we type \\\" instead!)");
8         System.out.println("What is the difference between a ' and a \"? Or between a \" and a \\\"?");
9         System.out.println();
10        System.out.println("One is what we see when we're typing our program. The other is what appears on the \"console.\"");
11    }
12 }
13
14
15

```

Figure 11 :WellFormed

```

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

```

Figure 12 :Output