

Project ▾

- FirstJava D:\FirstJava
  - idea
  - src
    - ⊞ Hello
    - ⊞ Main
  - target
  - gitignore
  - FirstJava.iml
  - m pom.xml
- External Libraries
- Scratches and Consoles

```
1 public class Hello {
2     public static void main(String[] args)
3     {
4         System.out.print("Hello\n ");
5         System.out.print("This is my first program\n ");
6         System.out.print("I am on module ST4003CEM\n ");
7     }
8 }
9
```

Run ▾ Hello ×

↑  
↓

"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.2\lib\idea\_rt.jar=60735:C:\Program Files\JetBrains\IntelliJ IDEA Co  
Hello  
This is my first program  
I am on module ST4003CEM  
Process finished with exit code 0

Project ▾

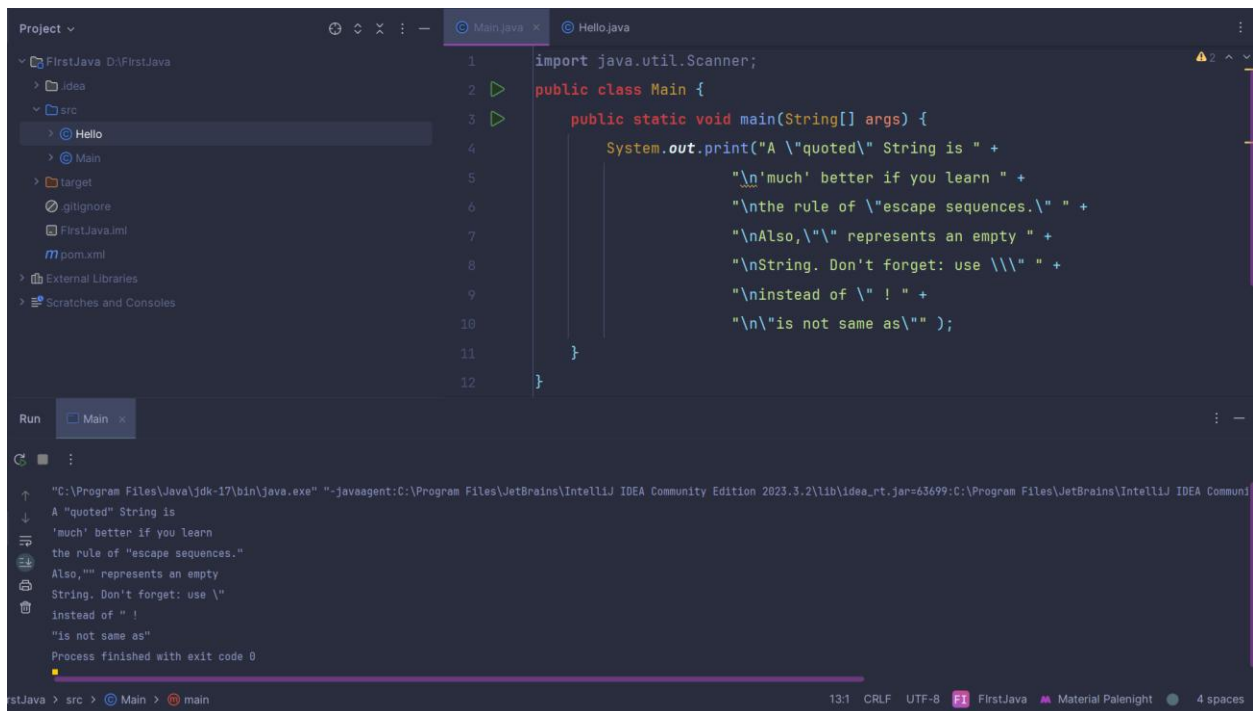
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```
1 public class Hello {
2     public static void main(String[] args)
3     {
4         System.out.println("Hello");
5     }
6 }
7
8
```

Run ▾ Hello ×

↑  
↓

"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.2\lib\idea\_rt.jar=60632:C:\Program Files\JetBrains\IntelliJ IDEA Communi  
Hello  
Process finished with exit code 0



Project ▾

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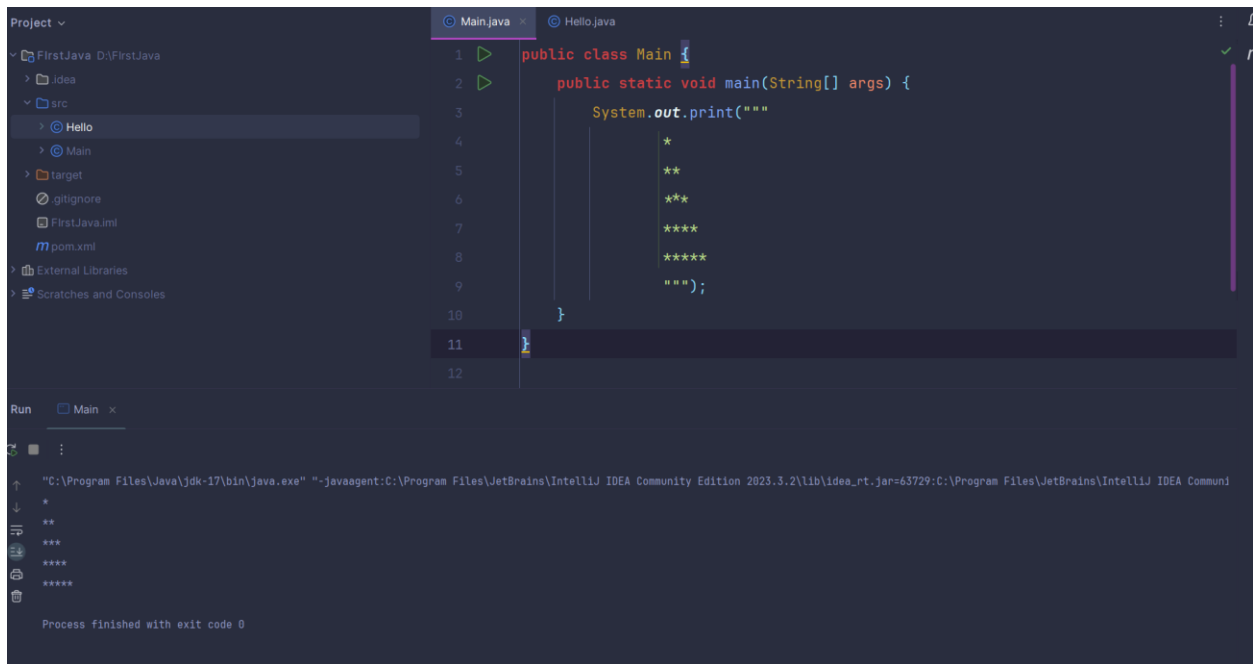
Run ▾ Main x

```
1 import java.util.Scanner;
2 public class Main {
3     public static void main(String[] args) {
4         System.out.print("A \"quoted\" String is " +
5             "\n'much' better if you learn " +
6             "\nthe rule of \"escape sequences.\" " +
7             "\nAlso,\"\" represents an empty " +
8             "\nString. Don't forget: use \"\" " +
9             "\ninstead of \" ! " +
10            "\n\"is not same as\" ");
11    }
12 }
```

Run console output:

```
"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.2\lib\idea_rt.jar=63699:C:\Program Files\JetBrains\IntelliJ IDEA Commu
A "quoted" String is
'much' better if you learn
the rule of "escape sequences."
Also,"" represents an empty
String. Don't forget: use \"
instead of \" !
"is not same as"
Process finished with exit code 0
```

13:1 CRLF UTF-8 FirstJava Material Palenight 4 spaces



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Run ▾ Main x

```
1 public class Main {
2     public static void main(String[] args) {
3         System.out.print("""
4             *
5             **
6             ***
7             ****
8             *****
9             """);
10    }
11 }
12
```

Run console output:

```
"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.2\lib\idea_rt.jar=63729:C:\Program Files\JetBrains\IntelliJ IDEA Commu
*
**
***
****
*****
Process finished with exit code 0
```

```
Project ▾
└─ FirstJava D:\FirstJava
   └─ src
      └─ Hello
         └─ Main
            └─ target
               └─ .gitignore
                  └─ FirstJava.iml
                     └─ pom.xml
                        └─ External Libraries
                           └─ Scratches and Consoles

Main.java x Hello.java
1 public class Main {
2     public static void main(String[] args) {
3         System.out.print("""
4             *****
5             *****
6             *****
7             *****
8             *****
9             """);
10    }
11 }
```

Run Main x

"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.2\lib\idea\_rt.jar=63733:C:\Program Files\JetBrains\IntelliJ IDEA Communi

\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*

Process finished with exit code 0

```
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                     └─ pom.xml
                        └─ External Libraries
                           └─ Scratches and Consoles

Main.java x Hello.java
1 public class Main {
2     public static void main(String[] args) {
3         System.out.print("A well-formed Java program has a main method with { and } braces.\n" +
4             "\nA System.out.println statement has ( and ) and usually a String that " +
5             "\nstarts and ends with a \" character.\n" +
6             "(But we type \"\" instead!)\n" +
7             "\nWhat is the difference between" +
8             "\na ' and a \"? Or between a \" and a \"\"?\n" +
9             "\nOne is what we see when we're typing our program. The other is what appears on " +
10            "\nthe \"console.\"",
11    }
12 }
```

Run Main x

"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.2\lib\idea\_rt.jar=63986:C:\Program Files\JetBrains\IntelliJ IDEA Communi

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."

Process finished with exit code 0