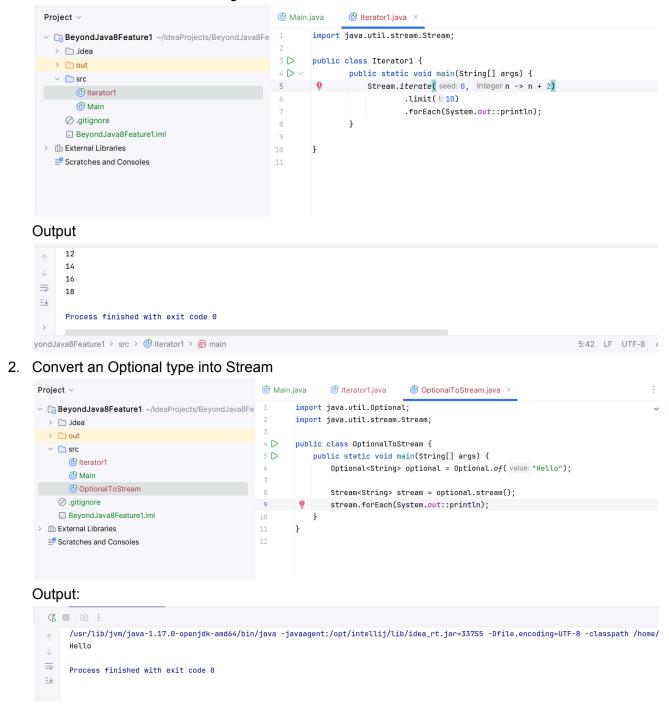
1. Use iterator stream method to generate a stream



3. Use Of method to create List, Set and Map

```
Main.iava
                                                                     ( Iterator1.iava

<sup>™</sup> OfMethod.java ×

Project ~
                                                                                        @ OptionalToStream.java

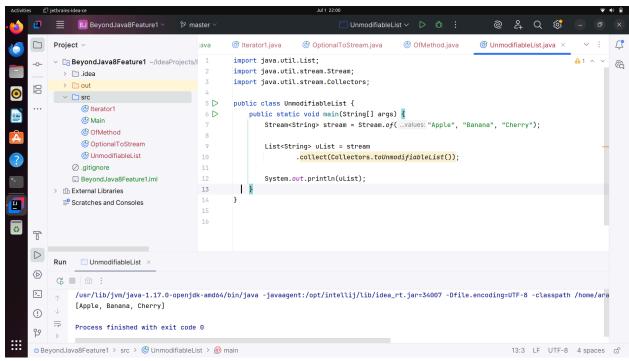
∨ □ BeyondJava8Feature1 ~/IdeaProjects/BeyondJava8Fe

                                                             import java.util.List;
                                                             import java.util.Map;
  > 🗀 .idea
                                                             import java.util.Set;
  > 🗀 out

∨ □ src

                                                     5 🗅
                                                             public class OfMethod {
        @ Iterator1
                                                     6 >
                                                                 public static void main(String[] args) {
       @ Main
                                                                     System.out.println(List.of(1,2,3,4,5));
       © OfMethod
                                                                     System.out.println(Map.of( k1: 1, v1: "Aradhana", k2: 2, v2: "Mishra"));
       @ OptionalToStream
                                                     9
                                                                     System.out.println(Set.of(1,2,3,4,5));
     ⊘ .gitignore
     BeyondJava8Feature1.iml
 > ffh External Libraries
   Output
   /usr/lib/jvm/java-1.17.0-openjdk-amd64/bin/java -javaagent:/opt/intellij/lib/idea_rt.jar=44943 -Dfile.encoding=UTF-8 -classpath /home/ara
   [1, 2, 3, 4, 5]
   {2=Mishra, 1=Aradhana}
   [5, 4, 3, 2, 1]
   Process finished with exit code 0
```

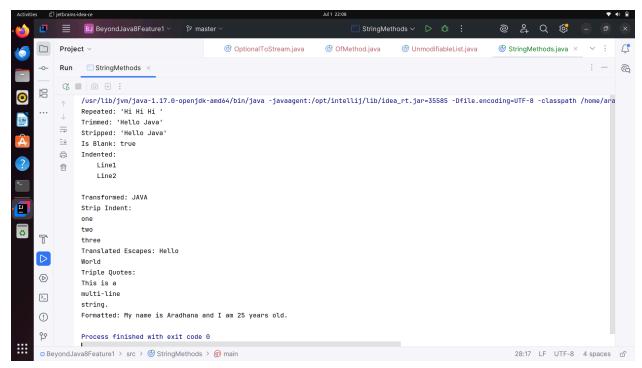
4. Create Unmodifiable List from a Steam



5. Demonstrate the use of repeat(), strip(),trim(), isBlank(), indent(), transform(), stripIndent(), translateEscapes(),tripleQuotes and formatted() methods.

```
StringMethods ✓ ▷ ₺ :
                                                                                                   @ 24 Q $$
         BJ BeyondJava8Feature1 >
                                        OptionalToStream.java
                                                             OfMethod.java
                                                                            UnmodifiableList.java
                                                                                                   StringMethods.java ×
    ∨ CB BeyondJava8Feature1 ~/IdeaProjects/I 1 >
                                          public class StringMethods { new*
                                                                                                                  A2 A1 ^
                                              public static void main(String[] args) { new*
      🗀 .idea
                                                 String original = " Hello Java ";
      > 🗀 out
밁
                                                  String blank = " \t\n ";
     ∨ 🗀 src
                                                 String repeated = "Hi ".repeat(count: 3);
          @ Iterator1
                                                 System.out.println("Repeated: '" + repeated + "'");
          @ Main
                                                 String trimmed = original.trim();
          © OfMethod
                                                 System.out.println("Trimmed: '" + trimmed + "'");
          © OptionalToStream
                                                 String stripped = original.strip();
          StringMethods
                                                 System.out.println("Stripped: '" + stripped + "'");
          ( UnmodifiableList
                                                 boolean isBlank = blank.isBlank();
                                               System.out.println("Is Blank: " + isBlank);
        \oslash .gitignore
                                                 String indented = "Line1\nLine2".indent( n: 4);
        BeyondJava8Feature1.iml
                                                 System.out.println("Indented:\n" + indented);
    > ffh External Libraries
                                                 String transformed = "java".transform( String s -> s.toUpperCase());
      System.out.println("Transformed: " + transformed);
                                                 String multiLine = " one\n two\n three";
                                                 String stripIndented = multiLine.stripIndent();
                                    19
                                                  System.out.println("Strip Indent:\n" + stripIndented);
\triangleright
                                                 String escaped = "Hello\\nWorld".translateEscapes();
                                    20
D
                                                  System.out.println("Translated Escapes: " + escaped);
                                                 String tripleQuote = """
>_
                                                        This is a
                                                        multi-line
(!)
                                                        string."":
                                                 System.out.println("Triple Quotes:\n" + tripleQuote);
လှ
                                                 String formatted = "My name is %s and I am %d years old.".formatted( ...args: "Aradhana", 25
26:62 LF UTF-8 4 spaces ☑
                com.coc.pr incent in anotatoa icocapoo.
           String tripleQuote = """
                       This is a
                       multi-line
                       string."";
           System.out.println("Triple Quotes:\n" + tripleQuote);
           String formatted = "My name is %s and I am %d years old."
                       .formatted( ...args: "Aradhana", 25);
           System.out.println("Formatted: " + formatted);
    }
```

Output:



6.Oou are tasked with writing a processOrderStatus method that takes an OrderStatus enum as input and returns a descriptive string based on the order status. Here's the OrderStatus enum:

```
public enum OrderStatus {
    PENDING,
    PROCESSING,
    SHIPPED,
    DELIVERED,
    CANCELLED,
    REFUNDED
}
```

Your processOrderStatus method should adhere to the following rules: For PENDING orders, return: "Order is awaiting confirmation."

For PROCESSING orders, return: "Order is being prepared."

For SHIPPED orders, return: "Order has been dispatched."

For DELIVERED orders, return: "Order has been successfully delivered."

For CANCELLED orders, return: "Order has been canceled."

For REFUNDED orders, return: "Refund has been issued for the order."

Use a single switch expression to achieve this.

Enhancements:

yield Keyword: If your logic requires more complex processing within a case, demonstrate the use of the yield keyword to return a value from the switch expression.

```
BJ BeyondJava8Feature1 ✓ 🌣 master
                                                                                                                @ 24 Q $$
     Project ~
                    +, ⊕ ≎ × : − va
                                              OfMethod.java
                                                                 UnmodifiableList.java
                                                                                        StringMethods.java
                                                                                                               ♂ OrderProcessor.java ×
     ∨ Co BeyondJava8Feature1 ~/IdeaProjects/l 1 ▷
                                                 public class OrderProcessor {
                                                                                                                                    <u>A</u>1 ^ ~
                                                                                                                                              @
                                                 public enum OrderStatus { 3 usages
       > 🗀 .idea
                                                        PENDING. 1 usage
       > 🗀 out
밁
                                                        PROCESSING, 1 usage
     ∨ 🗀 src
                                                        SHIPPED, 1 usage
           @ Iterator1
                                                        DELIVERED, 1 usage
           @ Main
                                                        CANCELLED, 1 usage
           (C) OfMethod
                                                        REFUNDED 1 usage
           @ OptionalToStream
           @ OrderProcessor
                                         10 @
                                                    public static String processOrderStatus(OrderStatus status) { 1 usage
           StringMethods
                                                        return switch (status) {
           @ UnmodifiableList
                                                            case PENDING -> "Order is awaiting confirmation.";
                                                            case PROCESSING -> "Order is being prepared.";
         ⊘ .gitignore
                                                            case SHIPPED -> {
         BeyondJava8Feature1.iml
                                                               String message = "Order has been dispatched.";
     yield message;
       T
                                                            case DELIVERED -> "Order has been successfully delivered.";
                                         19
                                                            case CANCELLED -> "Order has been canceled.";
\triangleright
                                                            case REFUNDED -> "Refund has been issued for the order.";
                                         20
D
                                                        };
                                         22
>_
                                         23 🗅
                                                     public static void main(String[] args) {
                                                        for (OrderStatus status : OrderStatus.values()) {
(!)
                                                            System.out.println(status + ": " + processOrderStatus(status));
လှ
                                                                                                                    22:6 LF UTF-8 4 spaces 🕤
□ BeyondJava8Feature1 > src > 🔮 OrderProcessor > 😥 processOrderStatus
```

Output:

