

Streams.java

```
1 package example;
2 import java.util.Arrays;
3 import java.util.List;
4 import java.util.Optional;
5 import java.util.stream.Collectors;
6 public class Streams {
7     public static void main(String[] args) {
8         List<Integer> numbers = Arrays.asList(1, 2, 3, 4, 5, 6, 7, 8, 9, 10);
9
10        // Calculate the sum of even numbers using streams
11        int sumEven = numbers.stream()
12            .filter(n -> n % 2 == 0)
13            .mapToInt(Integer::intValue)
14            .sum();
15        System.out.println("Sum of even numbers: " + sumEven);
16
17        // Calculate the sum of odd numbers using streams
18        int sumOdd = numbers.stream()
19            .filter(n -> n % 2 != 0)
20            .mapToInt(Integer::intValue)
21            .sum();
22        System.out.println("Sum of odd numbers: " + sumOdd);
23    }
24
25
26
27
```

Problems Javadoc Console

<terminated> Streams [Java Application] C:\Users\gummi\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.11.v20240426-1830\jre\bin\javaw.exe (08-

Sum of even numbers: 30

Sum of odd numbers: 25