

Stream

Conversion d'un liste en stream

```
import java.util. Arrays;
import java.util. List;
import java.util. stream. Stream;

class Main
{
    // Generic method to convert a list to stream
    private static <T> Stream<T> listToStream (List<T> list) {
        return list.stream();
    }

    // Program to convert a list to stream in Java 8 and above
    public static void main(String[] args)
    {
        List<String> cities = Arrays.asList("New York","Tokyo","New Delhi");

        Stream<String> stream = listToStream(cities);
        System.out.println(Arrays.toString(stream.toArray()));
    }
}
```

Filtrage d'un stream

```
import java.util. Arrays;
import java.util. List;
import java.util. function. Predicate;
import java.util. stream. Stream;

class Main
{
```

```
// Program to convert a list to stream and filter it in Java 8 and above
public static void main(String[] args)
{
    List<String> cities = Arrays.asList("New York", "Tokyo", "New Delhi");

    Predicate<String> predicate = new Predicate<String>() {
        @Override
        public boolean test(String s) {
            // filter cities that start with `N`
            return s.startsWith("N");
        }
    };

    cities.stream()
        .filter(predicate)
        .forEach(System.out::println);
}
}
```

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