# Worksheet: Java Streams

What will the following piece of code print?

```java
List<String> list = Arrays.asList("Rice", "Owls", "are", "the", "best");
String answer =
    list.stream()
        .skip(1)
        .map(e -> {
          System.out.println("Map was called on " + e);
          return e.substring(0, 3);
        })
        .filter(e -> {
          System.out.println("Filter was called on " + e);
          return e.charAt(2) == 'e';
        })
        .findFirst()
        .get();

System.out.println(answer);
```

Will your answer change (and how), if you replace
list.stream( ) with list.stream.parallel( )?

```
Map was called on Owls
Filter was called on Owl
Map was called on are
Filter was called on are
are
```

Could be anything that has both a Map and a Filter on "are". For example:

```
Map was called on are
Filter was called on are
Map was called on best
Filter was called on bes
Map was called on Owls
Filter was called on Owl
are
```