

Worksheet: Java Streams

What will the following piece of code print?

```
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

