

CS 330 Final Exam Review

Spring 2015

1. Brian showed us `unless` in Groovy, which executes its block unless the condition is met. Write `unless` in Scala.
2. Can lambdas be recursive? Why or why not?
3. Write a general purpose `filter` method in Java.
4. Why is this class part of the computer science curriculum?

5. In Haskell, `foldr` has this type signature:

```
foldr :: (a -> b -> b) -> b -> [a] -> b
```

Implement `map'` in terms of `foldr`.

6. Is a spiderweb a tool or part of the spider?

7. Which is better: binary search or linear search?