

CPSC 312

Functional and Logic Programming

December 1 & 3, 2015

Final Exam

It's next week.

CPSC312 101 DEC 08 2015 03:30 PM WESB 100

<http://students.ubc.ca/enrolment/exams/exam-schedule>

Final Exam: The Prolog Part

1. Understand Resolution, Unification, and Backtracking well.
2. Be able to implement a new recursive function (with the help of induction).
3. Understand the basics of using cut and negation.
(understand all examples from slides)
4. Be able to write DCG grammar rules to parse sentences (I recommend studying the DCG exercise file and the project1 checkpoint solutions)

Final Exam: The Prolog Part

Today's review will include:

some questions from a sample midterm exam made by Kurt in previous years. (topics: resolution, unification and induction)

some of our midterm's questions

If there is time:

slides for cut and negation

DCG practice code

Final Exam: The Haskell Part

Assignment 4's questions are sample exam questions. You will have similar questions to each type on the final. (topics: natural and tail Recursion, function abstraction, recursive function implementation with pattern matching and guards, list comprehension)

There will be one debugging question (similar to the one on midterm)

Other topics on the exam are defining algebraic types, type classes, and higher order functions.

Final Exam: The Haskell Part

Review on Thursday:

Review of natural and tail recursion, and using induction to implement recursive functions

Review of assignment 4 solutions

Review of algebraic types, type classes, and higher order functions

Maybe looking at some sample problems