

Project

Date Due: March 9, 2018

Total: 100 marks

Instructions

1. Prepare a 35 to 40 minutes presentation for one of the following topics
 - (a) A hot subject of your choice related to *modern* compiler design, or :
 - (b) Two presentations for a total of 35 to 40 minutes from one of the following topics
 - i. Chapter 6 or 7. (15 marks)
 - ii. Chapter 8. (15 marks)
2. Submit a 1-2 page summary of your presentation which highlights the main points covered in your talk. (10 marks)

Topics

1. Chapter 6
 - (a) Intermediate Code Generation
 - (b) Sec. 6.6 Control Flow (Case Statements)
 - (c) Sec 6.7 Backpatching & Procedure Calls
2. Chapter 7 Run-Time Environments
 - (a) Sec 7.3 Access to Non-local Names & Parameter Passing
3. Chapter 8 Code Generation
 - (a) Sec 8.2-8.3 Target Language & Addresses in the Target Code
 - (b) Sec 8.4 Basic Blocks and Flow Graphs
 - (c) Sec 8.5 Optimization of Basic Blocks
 - (d) Sec 8.6-8.7 Code Generator & Peephole Optimization

Preliminary report is 10 marks. Final written report is 55 marks