COMP0020: Functional Programming

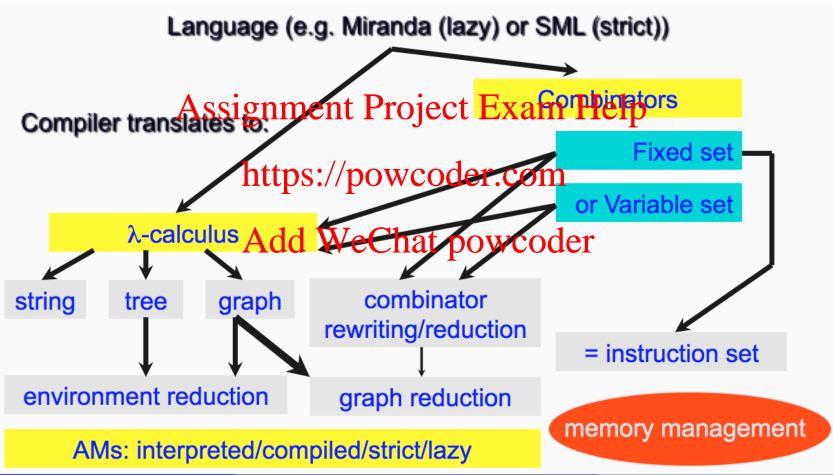
Example Programs

## COMPUDE Functional Programming

https://potwoodef.com
Introduction to Implementation
Add WeChat powcoder

#### **Contents**

- What is "implementation A" Signment Project Exam Help
- Lambda calculus versus combinators
- Graph Reduction <a href="https://powcoder.com">https://powcoder.com</a>
  - "Abstract machines"
- Automatic Memory Managem Atdd WeChat powcoder
  - Memory allocation
  - Garbage Collection
- Parallel Graph Reduction



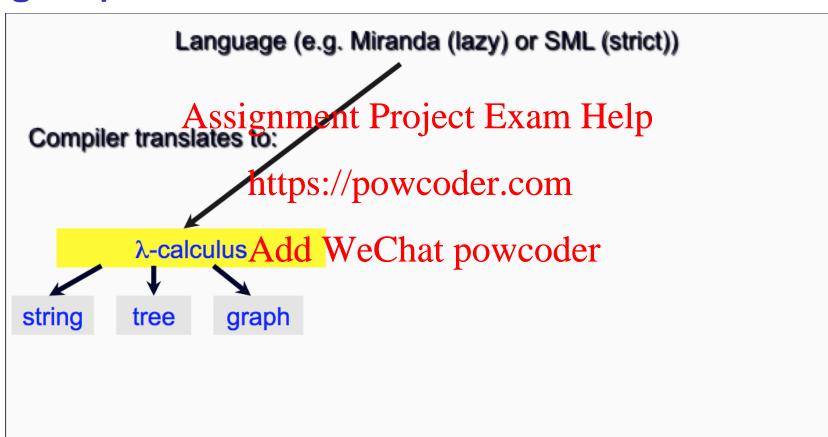
Language (e.g. Miranda (lazy) or SML (strict))

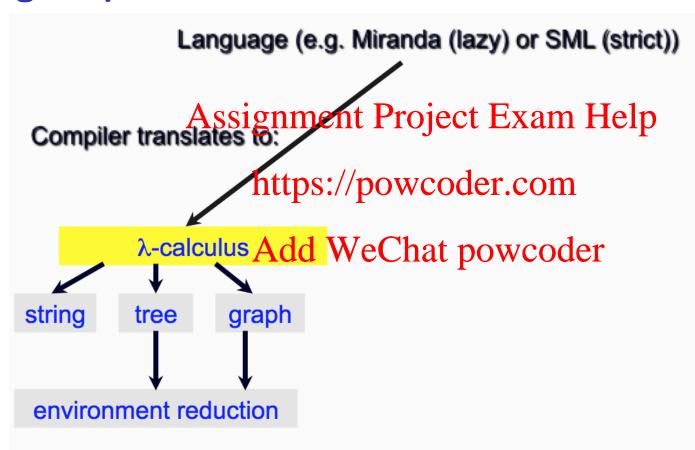
Assignment Project Exam Help

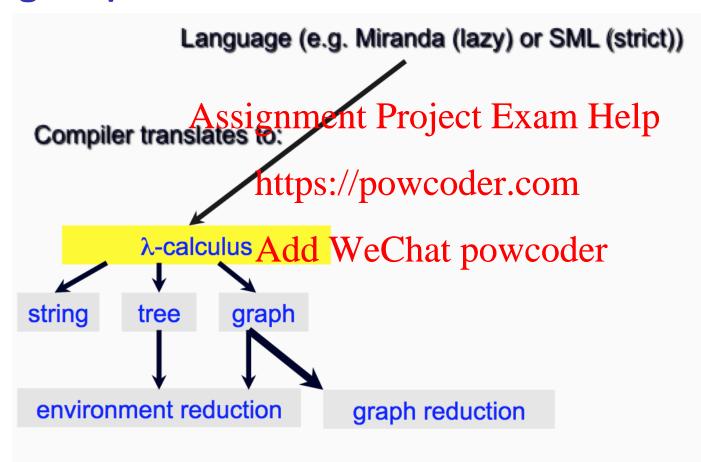
Compiler translates to:

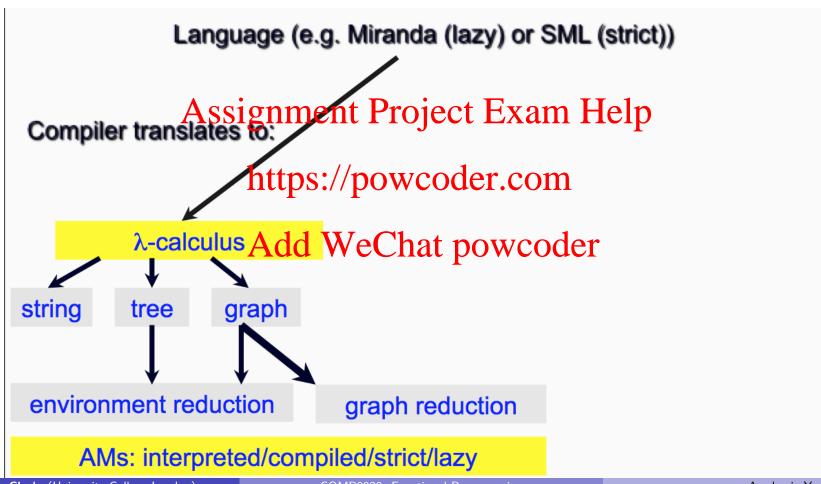
https://powcoder.com

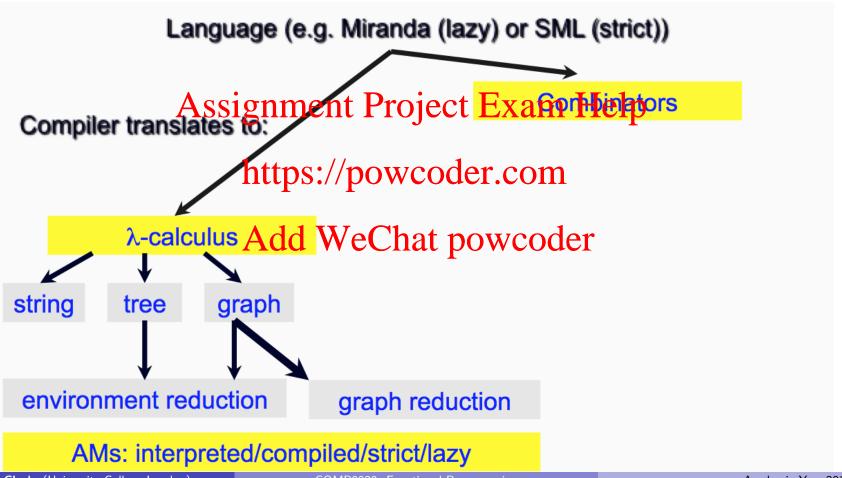
λ-calculus Add WeChat powcoder

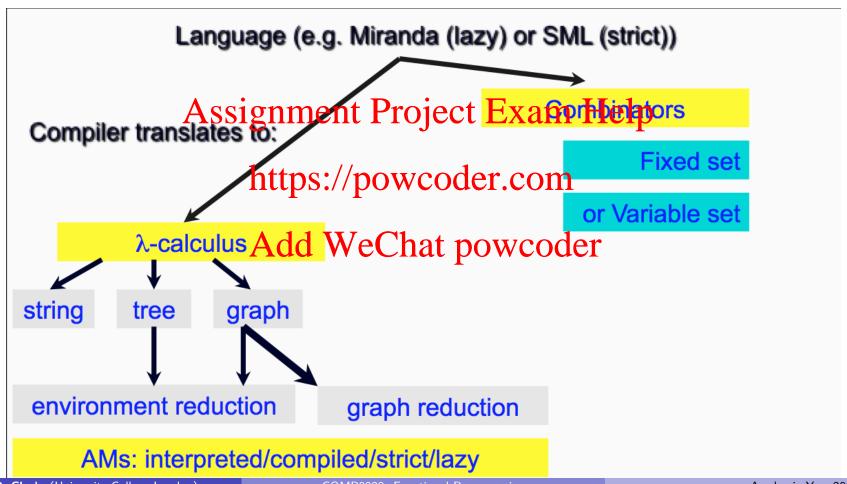


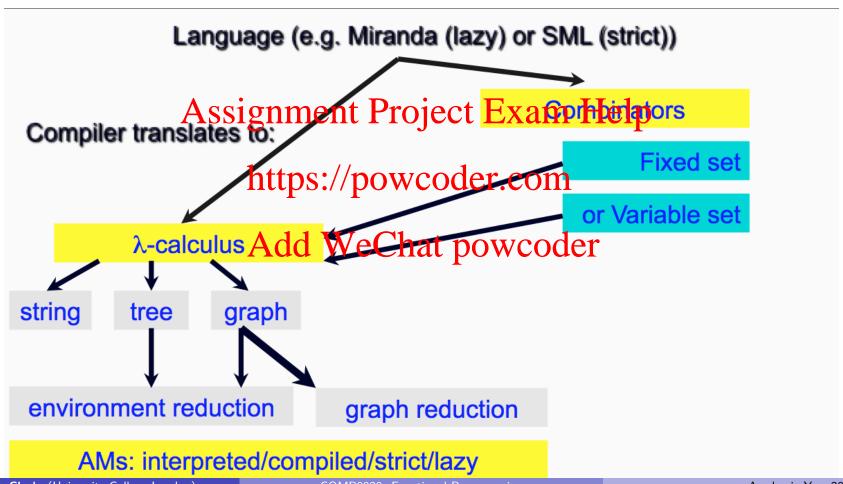


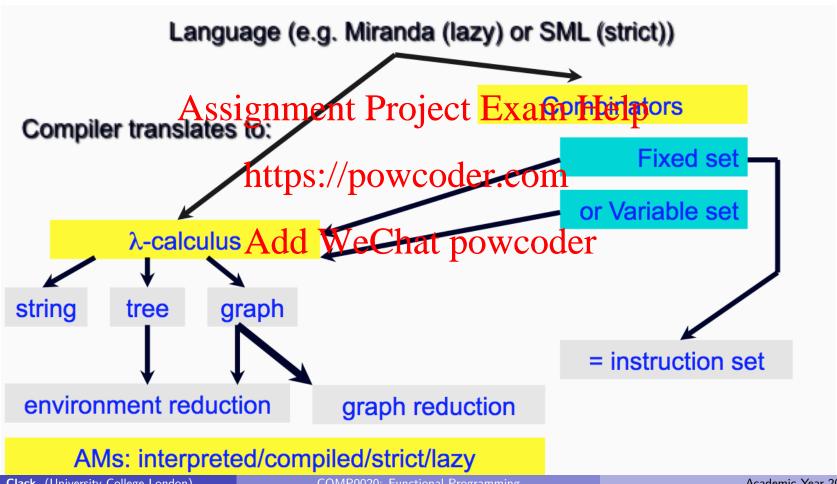


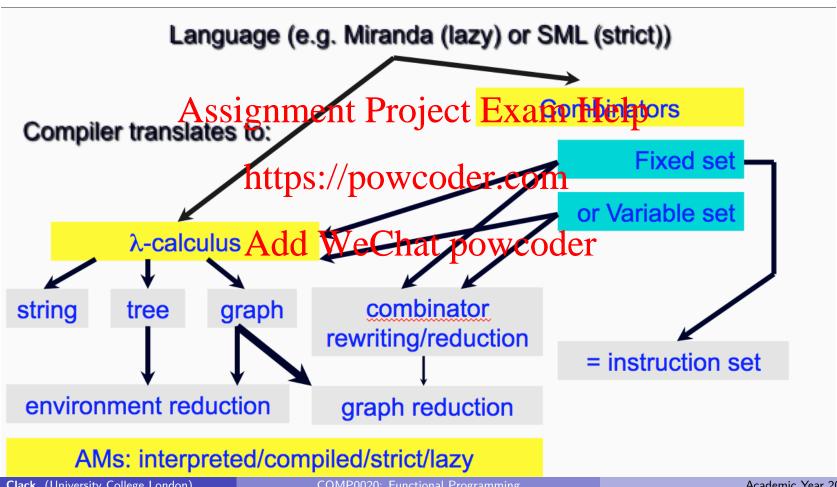


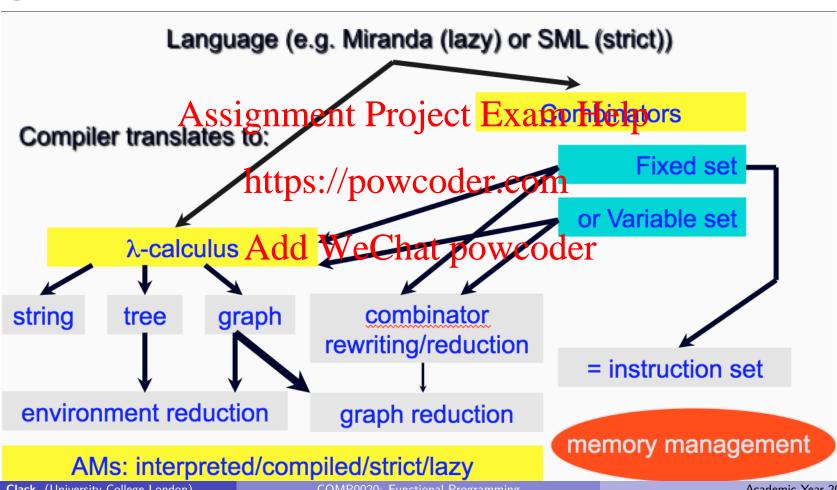












#### **Memory management**

- Recycling / reusing memorysignment Project Exam Help
  - Limited resources
  - Programmer does not contiatto seme power of the comm
- Issues :
  - Memory Allocation

#### Add WeChat powcoder

- ► Garbage Identification
- ► Garbage Collection
- Fragmentation

COMP0020: Functional Programming

Example Programs

Summary

#### **Summary**

# Assignment Project Exam Help • What is "implementation"?

- Lambda calculus versus combinators://powcoder.com
- Graph Reduction
  - "Abstract machines" Add WeChat powcoder
- Automatic Memory Management
  - Memory allocation
  - Garbage Collection
- Parallel Graph Reduction

COMP0020: Functional Programming

Example Programs

Summary

### Assignment Project Exam Help

https://powcoder.com

Add WeChat powcoder