

To excel on the test, you should possess the following skills:

1. Proficiency in Emacs:

- You should be able to create, write, edit, save, and run Common Lisp programs using Emacs.

2. Data Structures and Programming in Common Lisp: Demonstrate competence in the following areas:

- **Primitive Expressions:** Understand and use basic Lisp expressions.
- **Nested Lisp Expressions:** Work with nested expressions for more complex computations.
- **Functions:** Create and use functions effectively.
- **Variable Bindings and Scope:** Properly implement variable bindings and understand their scope within the program.
- **Branching (Conditional Execution):** Implement conditional statements to control the flow of your programs.
- **Looping Constructs:** Implement looping structures to handle iterative processes.
- **Arrays and Lists:** Create, manipulate, and work with arrays and lists in Lisp.
- **Recursion.**

Note: Lisp structures (defstruct), sorting, binary search, stacks, queues, dequeues, a-lists and hash tables will not be assessed in the test.