

# Introductory Rust 2026 - Extension Lab: Performance and Profiling

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## Lab Goals

1. Practice reproducible performance measurement.
2. Compare algorithmic alternatives.
3. Identify and explain misleading benchmark setups.

## Exercises

1. Benchmark two implementations of the same transform.
2. Compare allocation-heavy vs buffer-reuse version.
3. Write short report: hypothesis, results, conclusions.