

Using gradethis in Quarto Live: Quick Summary

Purpose

Use gradethis to automatically grade learner code in Quarto Live exercises. Grading should focus on results and behavior, not exact code text.

Basic Structure

1. Exercise chunk where the user writes code.
2. Grading chunk using `gradethis::grade_code()`.

Common Checks

- `expect_equal(.result, value)`: check output
- `expect_code("mean")`: require a function
- `forbid_code("mean")`: disallow an approach
- Check created objects directly (e.g., `x`)

Adding Feedback Messages

- Attach messages with `.message` in `expect_*`
- `pass_if(TRUE, "Success message")`
- `fail_if(condition, "Custom error")`
- `warn_if(condition, "Hint")` for gentle feedback

Best Practices

- Prefer result-based grading over code comparison
- Allow multiple correct solutions
- Use messages to guide, not punish
- Combine required and forbidden code checks when needed