POST MORTEM
CS 135 Fall 2025, Assignment 02

Question 2, 4

- Many students used the wrong data type, often using Int instead of Num

Question 3 (`median.rkt`)

- Many students used [**else** (**cond** ...)] which can be fixed by promoting the nested question-answer pairs to the outer **cond**. Marks were not deducted, however, students are encouraged to avoid [**else** (**cond** ...)] wherever possible. Please refer to the *Comparison Operator* section in our Style Guide for more details.

- Students are strongly encouraged to use **else** instead of (= 1 1) or true for their last question-answer pair for readability. Again, marks were not deducted for this reason.

- Many students could have reduced their inequalities by using **else** in their last question-answer pair instead of taking the negation of the previous question-answer pair (which would have been another inequality used).

- Some students did not adhere to the restrictions of this question, e.g. refraining from the use of operators such as min, max, +, *, or refraining from the use of helper functions.

- Some students did not name their function properly. For example, students were supposed to name their function median-of-3-simple instead of median-of-3. Students are encouraged to exercise caution in future assignments.

- Some students hard-coded their answers. It may pass auto-testing, but does not demonstrate understanding of the concepts.

- Many students used the wrong data type in the contract, using Int instead of Rat or Num.

- Many students did the wrong number of consumed values in the contract, often doing Num -> Num instead of Num Num Num -> Num

Question 5 (`weekday.rkt`)

Mistakes in Code Style:

- Didn't include a requires: clause indicating the natural number input must be a valid date

- Didn't utilize enough helper functions to remove repeated blocks of code in their calculations

- Didn't correctly format their contract and requires clause, had put them together into some hybrid comment

Mistakes in the contract:

- Many students used custom data definitions in the contract instead of using the given data definition.

- Many students used the wrong data types, often using Int instead of Nat as the consumed type.