

Post-Mortem

Assignment 06

March 18, 2019

We normally publish the post-mortem for an assignment after it has been marked and released. Here is a list of common mistakes provided by the graders for assignment 6.

General

- Many students are still missing parameter references in their purpose statements. Purpose statements should meaningfully use each parameter name, and the parameter names should be written **exactly** as they appear in the function header.
- All design recipe components, except for tests, are required for helper functions. Many students are still not including these design recipe components for their helper functions.
- Many students did not complete the assignment.
- Overall, students who completed the assignment did quite well.

Question 1

- In part (a), many students were unable to write a correct purpose for `fibonacci-acc` that referenced all parameter names correctly.
- In part (a), many students forgot to include requirements for their helper functions.
- In part (d), many students did not use helper functions to simplify their code.

Question 2

- In parts (a) and (b), many students did not use `list-ref`, which was explicitly allowed for this question. While no marks were deducted (since the solutions were correct), students are encouraged to make use of helpful built-in functions to simplify their code.
- In part (d), many students forgot the requirement that the matrices must be the same size.
- In part (e), many students forgot the requirement that `(length (first matrix1)) = (length matrix2)`, i.e number of columns of `matrix1` = number of rows of `matrix2`.

Question 3

- In part (d), some students only considered the subtree of the top node instead of checking every node to determine balance.
- Overall, this question was done well.