University of Waterloo
CS240E, Winter 2024
Written Assignment 1 Post Mortem

This document goes over common errors and general performance on the assignment questions. We create it using feedback from the graders. It is meant to be used as a resource to understand common areas that we can improve in.

Question 1   [5 marks]

- This part was well done.

Question 2   [3+3+3=9 marks]

- This part was well done.

- In part (c), some solutions did not correctly show a boundary case when ($d = 1/2$ or $d = 1$).

Question 3   [2+3+7+2(+1+1)=14(+1+1)]

- Many either made an error in time complexity analysis or overcomplicated the analysis.

Question 4   [2+6+4=12 marks]

- Parts (a) and (c) were well done.

- In (b), many solutions mistakenly omitted terms in the expression for number of nodes, which resulted in an easier solution.

Question 5   [9 marks]

- Many solutions returned keys instead of values, which was not penalized.