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# Small Assignment 9

Discussion on a high level with your colleagues is encouraged. Make sure the work submitted is your own. When in doubt, ask a TA or the instructor. If you are not sure what constitutes academic dishonesty, please refer to the AISC web site: <https://aisc.uci.edu/>.

You can fill out your answers below in text, paste screenshots, and/or include images (make sure the image is right side up & legible).

This homework covers:

* Ch 7: Assembly

## AISC

Please initial here to indicate you understand UCI’s Academic Integrity Policy and confirm that this is your own work you are submitting (this counts for points): CPZ

## 7.7

Write an LC-3 assembly language program that counts the number of 1s in the value **stored in R0** and **stores the result into R1.** For example, if R0 contains 0001001101110000, then after the program executes, the result stored in R1 would be 0000 0000 0000 0110.

A screenshot of a computer program

AI-generated content may be incorrect.