

Your work shall be placed in a directory structure, `<username>/hw/01/`. This directory shall be compressed into a Zip archive file named `<username>.zip`. The archive should contain exactly two files: **main.cc** and **makefile**. The result of calling the *make* application should be an executable named **01hw**. The first thing my scripts will do is delete any file not called `makefile` or `main.cc`.

I want an application which takes positive or negative integers and returns the sum of each place in the number, such that 345 results in 12 and -99 results in -18.

The application should perform as follows:

- The program is called and runs with no prompt for input.
- The program reads exactly one signed integer from standard input.
- The program displays the sum of each digit of the number as a signed integer.

There is an unlinked object file¹ attached to the assignment. It may be used to create an executable on any of the Linux servers to which I have made mention. This is a solution to the problem. Your application should perform no worse than this solution.

Late assignments will lose 25% per day late, with no assignment begin accepted after 4 days (100% reduction in points).

Check your syllabus for the breakdown of grading.

¹Any attempt to use this file as part of a submission will be reported to Academic Integrity, along with this assignment description.